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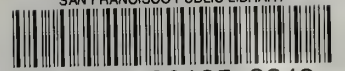
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San Francisco. Coroner.

ANNUAL REPORT

==
CORONER'S OFFICE

JULY 1, 1966 - JUNE 30, 1967

JOHN W. TUCKER
CORONER'S OFFICE
TRAVELER'S ALBUM

HENRY W. TUCKER, M.D.
Coroner, City and
County of San Francisco
7th and Bryant Streets
San Francisco,
California 94103

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July-June
1966-1972

CORONER'S OFFICE

CITY AND COUNTY OF SAN FRANCISCO

	TOTAL CASES	TOTAL AUTOP- SIES	TOTAL INQUESTS HELD	CASES REFERRED TO PATH- OLOGIST	SPECIMENS EXAMINED BY PATH- OLOGIST	CASES REFERRED TO TOXI- COLOGIST	SPECIMEN EXAMINED BY TOXI- COLOGIST
<u>1966</u>							
July	211	211	32	104	239	211	218
Aug.	203	203	23	103	185	203	888
Sept.	194	194	36	92	180	194	748
Oct.	233	233	27	109	255	227	908
Nov.	175	175	21	81	172	175	728
Dec.	232	232	28	88	188	220	880
<u>1967</u>							
Jan.	241	241	37	108	243	241	1004
Feb.	207	207	21	94	168	207	804
Mar.	218	217	23	81	178	217	868
Apr.	194	193	24	73	159	193	716
May	230	230	36	90	195	230	980
June	190	190	25	80	180	190	788
TOTAL	2528	2526	333	1103	2342	2508	9530

Percent of Coroner's cases on which autopsies were performed: 99.99%

Total number of cases reported to the Coroner's Office
and after investigation by the staff, the physicians
were allowed to sign the certificates

1555

GRAND TOTAL NUMBER OF CASES REPORTED

4083

TOTAL NUMBER OF CASES

There were a total of 4083 cases handled by this office during the fiscal year of July 1, 1966 to June 30, 1967.

734 deaths were due to violence occurring in San Francisco and 16 cases were injuries received outside the city limits, death occurring in San Francisco, a total of 750 violent deaths.

DISTRIBUTION OF VIOLENT DEATHS

<u>NATURE</u>	<u>NUMBER</u>	<u>PERCENT</u>
Suicides	234	31.20
Accidental Falls	123	16.40
Motor Vehicles	115	15.33
Homicides	79	10.53
Injuries received-Manner unknown	40	5.33
Miscellaneous accidents	35	4.67
Carbon monoxide-accidental	32	4.27
Burns	25	3.33
Industrial Deaths	21	2.80
Suffocation-Aspiration	20	2.67
Drowning-Accidental	17	2.27
Barbiturate deaths-accidental	9	1.20
	<hr/>	<hr/>
Total	750	100.00%

INDIGENT PERSONS (CORONER'S CASES)

BURIED BY THE CITY

MALE.....	139
FEMALES.....	41
INFANTS.....	<u>9</u>
Total.....	179

[illegible]

UNIDENTIFIED BODIES

Of the total 39 bodies of unknown persons brought to the Coroner's Office

MALES.....	34
FEMALES.....	<u>5</u>
Total	39

Subsequently identified:

MALES.....	33
FEMALES.....	5
UNIDENTIFIED.....	<u>1</u>
Total.....	39

Fingerprints were taken in 2315 cases and forwarded to the Federal Bureau of Investigation, State of California Bureau of Identification, San Francisco Police Bureau of Identification and Police Records

JURORS SUMMONED.....	437
WITNESSES SUMMONED.....	1459
INQUESTS HELD.....	333

SPECIMENS EXAMINED BY TOXICOLOGIST

For blood test
for alcohol

	1966						1967						
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	Total
Positive	22	43	31	45	28	43	44	33	37	33	45	37	441
Negative	166	169	152	173	150	176	199	164	176	141	194	156	2016

Substances
found ex-
clusive of
alcohol

28	21	17	21	34	26	35	30	35	26	29	20	322
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COMPARISONS

(of the present with 6 preceding years)

NATURE	1960 1961	1961 1962	1962 1963	1963 1964	1964 1965	1965 1966	1966 1967
Motor vehicles	83	76	89	120	104	114	99
Motor vehicles out of S.F.-death in S.F.	6	4	11	6	5	4	16
Streetcar	4	2	1	8	6	-	3
Homicides	45	42	43	44	55	59	79
Abortions	2	1	4	2	3	3	3
Suicides	222	212	220	215	199	233	234
Falls-Accidents	153	147	155	168	147	158	123
Carbon monoxide (Accidental)	11	10	14	28	15	18	32
Injuries rec'd manner unknown	13	20	21	27	19	56	40
Drowning-Accidental	12	8	15	21	17	19	17
Gunshot-Accidental	1	8	1	1	7	1	6
Burns	15	20	25	40	28	20	25
Suffocation(aspiration)	15	19	36	20	12	21	20
Sudden deaths-children	16	17	12	10	2	2	2
Industrial Accident death	16	13	13	14	23	8	21
Natural causes death	1798	1799	1800	1607	1647	1816	1778
Signed from history	-	1	-	-	1	-	2

CLASSIFICATION OF CASES BY MONTHS: July 1, 1966 to June 30, 1967

DEATHS AS RESULT OF	1966												1967												Total
	JULY	AUG.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June													
Motor vehicles	6	4	17	8	4	12	8	6	10	10	6	8	99												
Motor vehicles out of S.F. Death in S.F.	2	1	2	3	1	-	4	-	2	-	-	1	16												
Homicides	7	6	6	9	6	5	7	6	3	4	6	14	79												
Abortions	-	1	2	-	-	-	-	-	-	-	-	-	3												
Suicides	25	23	16	18	20	18	20	27	13	20	19	15	234												
Falls-Accidental	14	6	8	9	11	12	12	11	10	12	9	9	123												
Carbon monoxide-Accidental	-	2	-	2	4	2	1	3	4	2	11	1	32												
Injuries received-manner unknown	6	2	9	1	2	1	4	1	1	3	8	2	40												
Drowning-Accidental	1	4	4	3	1	-	1	2	1	-	-	-	17												
Barbiturate death-Accidental	-	1	1	-	1	-	5	-	-	1	-	-	9												
Burns	1	3	1	-	2	-	2	3	1	2	3	3	25												
Suffocation (Aspiration)	2	3	3	1	4	2	1	1	3	1	1	-	20												
Sudden deaths-Infants	-	-	1	-	-	-	1	-	-	-	-	-	2												
Industrial Deaths	3	3	1	-	-	-	5	2	1	1	2	3	21												
Miscellaneous accidents	2	-	-	1	-	-	-	-	2	5	2	1	17												
Morphine death-Accidental	1	1	1	-	-	-	3	1	-	-	-	-	7												
Gunshot-Accidental	-	-	-	2	-	1	1	2	-	-	-	-	6												
Natural causes-autopsied	141	143	121	173	117	180	165	142	167	133	163	133	1778												
Cases investigated and referred to physicians	<u>95</u>	<u>111</u>	<u>103</u>	<u>112</u>	<u>109</u>	<u>219</u>	<u>147</u>	<u>160</u>	<u>152</u>	<u>104</u>	<u>129</u>	<u>113</u>	<u>1555</u>												
TOTAL	306	314	297	346	284	451	388	367	370	298	359	303	4083												

PATHOLOGY REPORT

Pieces of tissue studied microscopically.....	6223
Tissue blocks sectioned & studied(multiple tissues each block)..	2305
Number of blood specimens to pathology.....	131
Chloride determination.....	70
Hemoglobin determination.....	6
Glucose determination.....	3
Blood grouping determination including RH	39
Miscellaneous tests.....	8
Urinalysis	
Miscellaneous stains	532
Total.....	9317

DEATH FROM NATURAL CAUSES BY GROUPS

Infection parasitic	20
Neoplasms	75
Allergy-endocrine metabolic	275
Diseases of blood	6
Diseases of heart including vessels	925
Cerebral vascular accident	70
Diseases of circulatory system	50
Diseases of respiratory system	85
Diseases of digestive system	43
Diseases of genito-urinary	10
Diseases of pregnancy and childbirth	3
Congenital malformation.....	2
Total.....	1564

SUICIDES

1966

1967

JULY AUG. SEPT. OCT. NOV. DEC.

JAN. FEB. MAR. APR. MAY JUNE

TOTAL

Male	14	16	14	13	11	12	13	17	5	17	12	10	154
Female	11	7	2	5	9	6	7	10	8	3	7	5	80
										Total			<u>234</u>

MODE

Barbiturate.....	87
Carbon monoxide-auto.....	9
Cyanide.....	2
Drowning.....	10
Revolver.....	35
Rifle.....	5
Shotgun.....	4
Hanging.....	23
Jump from window.....	16
" " Golden Gate Bridge.....	9
" " S.F.-Oakland Bay Bridge.....	1
" " fire escape.....	1
" " roof.....	6
Razor blades;..	1
Plastic bags.....	6
Knife.....	1
Doriden & Darvon.....	2
Nicotine.....	2
Arsenic.....	1
Drano.....	1
Miscellaneous.....	12
Total.....	<u>234</u>

STATION

AGES

COLOR

Married	101	Between	10-20 yrs	4
Single	49	"	20-30 "	31
Divorced	32	"	30-40 "	37
Widower	16	"	40-50 "	37
Widow	14	"	50-60 "	50
Unknown	22	"	60-70 "	36
Total	<u>234</u>	Over	70 "	39
		Total		<u>234</u>

White	210
Yellow	14
Negro	10
Total	<u>234</u>

Alcohol present over 0.15%.....26

HOMICIDES

<u>MURDER</u>		<u>MISLAUGHTER</u>		<u>JUSTIFIABLE</u>		<u>UNCLASSIFIED BY POLICE</u>		<u>TOTAL</u>
Male-Female	Male-Female	Male-Female	Male-Female	Male-Female	Male-Female	Male-Female	Male-Female	

1966

July	4	3	-	-				7
Aug.	5	-	1	-				6
Sept.	3	1	-	1				5
Oct.	7	1	-	1				9
Nov.	3	1	2	-				6
Dec.	2	2	1	-				5

1967

Jan.	4	1	2	-				7
Feb.	4	2	-	-				6
Mar.	1	2	-	-				3
Apr.	1	1	2	-				4
May	4	2	-	-				6
June	9	3	2	-				14
Tptal	48	19	10	2				79

AGES OF THOSE KILLED

<u>MALE</u>			<u>FEMALE</u>			<u>COLOR OR RACE OF THOSE KILLED</u>	
Under	20 yrs.	6	Under	20 yrs.	4	White	44
Betw.	20-30	15	Betw.	20-30	7	Yellow	1
"	30-40	11	"	30-40	4	Negro	34
"	40-50	9	"	40-50	-		
"	50-60	7	"	50-60	3		
"	60-70	9	"	60-70	-		
Over	70	1	Over	70	3		
		<u>58</u>			<u>21</u>		

APPARENT MOTIVE

Robbery	10
Domestic difficulty	4
Self-defense	9
Unknown	56
	<u>79</u>

BY WHOM KILLED

By husband	1
By known person	54
By unknown person	24
	<u>79</u>

BY WHAT MEANS

Bullet	44
Stabbing	16
Strangulation	3
Blow	12
Miscellaneous	4
	<u>79</u>

Alcohol present over 0.15%..... 12

MOTOR VEHICLES FATALITIES
July 1st, 1966 through June 30, 1967

	<u>1966</u>						<u>1967</u>						
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	TOTAL
Autos	6	3	15	8	3	11	5	6	9	7	4	3	80
Trucks	-	-	-	-	-	1	1	-	1	-	1	1	5
Autobus	-	1	-	-	-	-	2	-	-	1	1	3	8
Taxicab	-	-	-	-	-	-	-	-	-	1	-	-	1
Motorcycle-	-	-	2	-	1	-	-	-	-	1	-	1	5

LOCATION OF ACCIDENT

At intersection.....	61
Not at intersection.....	23
Golden Gate Bridge and ramp.....	5
San Francisco-Oakland Bay Bridge and ramp.....	6
Lick and Bayshore Freeway.....	4

POSITION OF PERSON KILLED AT TIME OF ACCIDENT

Pedestrian.....	44
Driver.....	33
Occupant.....	19
Motorcyclist.....	3
	<u>99</u>

SEX OF DRIVERS

Male.....	88
Female.....	7
Unknown.....	4
	<u>99</u>

SEX OF PERSONS KILLED

Male.....	76
Female.....	23
	<u>99</u>

AGES OF PERSONS KILLED

Under 5 yrs	4
Between 5 - 10 yrs	2
" 10 - 20 "	11
" 20 - 30 "	20
" 30 - 40 "	7
" 40 - 50 "	12
" 50 - 60 "	12
" 60 - 70 "	11
Over 70	20
	<u>99</u>

HOW ACCIDENT OCCURRED

BY AUTOMOBILE - 80

Struck by auto.....	32
Collision of two autos.....	21
Struck by hit-run auto.....	2
Auto struck street abutment.....	11
Auto struck pole.....	3
Auto struck divider strip.....	4
Auto struck parked auto.....	7
Total	<u>80</u>

BY TRUCK - 5

Struck by truck.....	4
Collision of truck and motor-scooter.....	1
Total	<u>5</u>

BY TAXICAB - 1

Struck by taxicab.....	1
Total	<u>1</u>

BY MOTORCYCLE - 5

Thrown from motorcycle.....	4
Collision with auto.....	1
Total	<u>5</u>

BY BUS - 8

Struck by bus.....	5
Struck by street car.....	3
Total	<u>8</u>

DAY OF ACCIDENT

Sunday.....	11
Monday.....	17
Tuesday.....	10
Wednesday.....	11
Thursday.....	16
Friday.....	20
Saturday.....	14
Total	<u>99</u>

AGE OF DRIVERS CONCERNED

16-20 yrs	12
20-30 "	31
30-40 "	17
40-50 "	11
50-60 "	10
60-70 "	4
Over 70 yrs.....	1
Unknown	13
Total	<u>99</u>

TIME ACCIDENT OCCURRED

Daytime - between 6 AM to 6 PM	41
Night Time between 6 PM to 6 AM	58
	<u>99</u>

Alcohol present - over 0.15% 14

ACCIDENTAL FALLS

NATURE OF

TOTAL

Fall	on street.....	15
"	downstairs.....	21
"	from window.....	7
"	at home.....	56
"	in hospital, nursing home or Laguna Honda Home.....	8
"	in public building.....	5
"	from ladder.....	2
"	from cliff.....	3
"	miscellaneous.....	6
Total		<u>123</u>

AGES

Under	20 years.....	5
Between	20 - 30 ".....	7
"	30 - 40 ".....	7
"	40 - 50 ".....	12
"	50 - 60 ".....	9
"	60 - 70 ".....	22
"	70 - 80 ".....	20
"	80 - 90 ".....	34
Over	90 ".....	7
Total		<u>123</u>

Alcohol present - over 0.15%..... 14

Coroner, City and County of
San Francisco
7th and Bryant Streets
San Francisco, California
94103

CORONER'S OFFICE

CITY AND COUNTY OF SAN FRANCISCO

	TOTAL CASES	TOTAL AUTOP- SIES	TOTAL INQUESTS HELD	CASES REFERRED TO PATH- OLOGIST	SPECIMENS EXAMINED BY PATH- OLOGIST	CASES REFERRED TO TOXI- COLOGIST	SPECIMEN EXAMINED BY TOXI- COLOGIST
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1967

July	208	208	29	98	186	206	224
Aug.	205	205	33	104	206	203	239
Sept.	192	192	23	79	168	188	215
Oct.	204	204	19	92	195	204	214
Nov.	192	192	18	74	161	192	222
Dec.	246	246	37	109	217	223	246

1968

Jan.	225	225	22	92	181	225	289
Feb.	233	233	32	105	170	233	252
Mar.	192	192	26	79	149	192	205
Apr.	215	215	26	95	166	215	248
May	183	183	22	82	156	181	203
June	206	206	25	104	190	204	210

TOTAL	2501	2501	312	1113	2145	2466	2767 9472
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Percent of Coroner's cases on which autopsies were performed: 100.00%

Total number of cases reported to the Coroner's Office
and after investigation by the staff, the physicians
were allowed to sign the certificates:

1426

GRAND TOTAL NUMBER OF CASES
REPORTED

3927

TOTAL NUMBER OF CASES

There were a total of 3927 cases handled by this office during the fiscal year July 1, 1967 to June 30, 1968.

714 deaths were due to violence occurring in San Francisco and 11 deaths were due to injuries received outside the city limits, death occurring in San Francisco, a total of 725 violent deaths.

DISTRIBUTION OF VIOLENT DEATHS

<u>NATURE</u>	<u>NUMBER</u>	<u>PERCENT</u>
Suicides	237	32.60
Accidental falls	113	15.51
Motor Vehicles	113	15.51
Homicides	83	11.40
Injuries received-manner unknown	29	4.00
Miscellaneous accidents	20	2.75
Carbon monoxide accidental	18	2.45
Burns	28	4.25
Industrial deaths	5	.70
Suffocation-aspiration	39	5.35
Sudden deaths-infants	4	.55
Drowning-accidental	11	1.50
Barbiturate deaths-accidental	7	.95
Morphine deaths-accidental	13	1.80
Gunshot-accidental	2	.27
Abortions	3	.41
Total	<u>725</u>	<u>100.00%</u>

INDIGENT PERSONS
CORONER'S CASES BURIED BY THE CITY

Male.	137
Female.	34
Infants.	15
	<hr/>
Total.	186

UNIDENTIFIED BODIES

Of the total 71 bodies of unknown persons brought to the Coroner's Office:

Males.	55
Females.	16
	<hr/>
Total.	71

Subsequently identified:

Males.	49
Females.	13
Unidentified.	9
	<hr/>
Total.	71

FINGERPRINTS TAKEN

Fingerprints were taken in 1772 cases and forwarded to the Federal Bureau of Investigation, State of California, Bureau of Identification San Francisco Police Bureau of Identification and police records.

SPECIMENS EXAMINED BY TOXICOLOGIST

For blood test
for alcohol

	<u>1967</u>						<u>1968</u>							
	<u>July</u>	<u>Aug.</u>	<u>Sept.</u>	<u>Oct.</u>	<u>Nov.</u>	<u>Dec.</u>	<u>Jan.</u>	<u>Feb.</u>	<u>Mar.</u>	<u>Apr.</u>	<u>May</u>	<u>June</u>	<u>Total</u>	
Positive	29	36	36	22	38	42	41	41	43	42	29	36	435	
Negative	176	167	148	177	151	175	204	175	134	189	149	145	1986	

Substances
found
exclusive of
alcohol

15	33	22	12	16	28	31	34	21	22	21	23	278
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PATHOLOGY REPORT

Pieces of tissue studied microscopically.....	6406
Tissue blocks sectioned & studied(multiple tissues each block).....	2265
Number of blood specimens to pathology.....	118
Chloride determination.....	67
Hemoglobin determination.....	10
Glucose determination.....	8
Blood grouping determination including RH.....	39
Miscellaneous tests.....	5
Urinalysis.....	2
Miscellaneous stains.....	526
<hr/>	
Total.....	9446

DEATH FROM NATURAL CAUSES BY GROUPS

Infectious.....	24
Neoplasms.....	80
Allergy-endocrine metabolic.....	2
Diseases of blood.....	2
Diseases of heart including vessels.....	1002
Cerebrovascular deaths.....	84
Diseases of circulatory system.....	40
Diseases of respiratory system.....	144
Diseases of digestive system(incl. liver & pancreas).....	374
Diseases of genito-urinary.....	16
Diseases of pregnancy and childbirth.....	---
Congenital malformation.....	8
<hr/>	
Total.....	1776

CLASSIFICATION OF CASES BY MONTHS: July 1, 1967 to June 30, 1968

DEATHS AS RESULT OF													1967	1968	
Motor vehicles	Motor vehicles out of S.F.	Death in S.F.	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	Total
Homicides	9	6	9	9	4	7	16	3	8	10	13	2	6	11	102
Abortions	1	13	1	4	4	2	9	5	9	6	5	1	7	10	83
Suicides	24	20	14	24	14	14	14	18	24	15	26	17	1	27	237
Falls-Accidental	9	8	15	10	9	3	4	9	9	6	10	12	2	6	113
Carbon monoxide-accidental	-	2	-	-	-	-	4	3	1	3	2	4	-	-	18
Injuries received-manner unknown	-	1	1	4	1	-	4	3	7	1	1	1	4	4	29
Drowning-Accidental	3	2	-	1	-	1	-	-	1	-	-	-	-	2	11
Barbiturate death-Accidental	-	1	-	-	-	1	-	-	-	1	-	-	-	3	7
Burns and Fires	-	4	-	-	-	2	2	3	5	5	2	-	6	3	28
Suffocation (aspiration)	3	4	-	3	-	7	3	5	1	2	1	-	4	6	39
Sudden deaths-infants	-	1	-	-	-	1	2	-	-	-	-	-	-	-	4
Industrial deaths	1	-	-	-	-	-	1	1	1	-	-	-	2	-	5
Miscellaneous accidents	2	6	-	-	-	-	1	5	1	2	1	2	2	-	20
Morphine death-accidental	-	3	-	2	-	2	-	-	1	2	1	-	-	2	13
Gunshot-Accidental	-	-	-	1	-	-	-	-	-	-	-	-	-	1	2
Natural causes-autopsied	147	134	148	150	141	178	168	166	142	152	119	131	1776		
Cases investigated and referred to physicians	208	205	192	204	192	246	225	233	192	215	183	206	2501		
TOTAL	118	196	93	130	98	119	150	100	119	97	115	91	1426		
	326	401	285	334	290	365	375	333	311	312	298	297	3927		

COMPARISONS

(of the present with 6 preceding years)

NATURE	1961	1962	1963	1964	1965	1966	1967
	1962	1963	1964	1965	1966	1967	1968
Homicide or Manslaughter (person vs. person)	42	43	44	55	59	79	68
Homicide, Justifiable by Police							4
Homicide, Justifiable by Citizen							5
Manslaughter (vehicular)							20
Homicide, Motive Unknown							6
Injuries received in Manner Unknown	20	21	27	19	56	40	29
Abortions (induced)	1	4	2	3	3	3	3
Motor Vehicles	76	89	120	104	114	99	102
Motor Vehicles (Accident outside S.F.)	4	11	5	5	4	16	11
Street Cars	2	1	8	6	-	3	4
Falls (accidental)	147	155	168	147	158	123	113
Carbon Monoxide (accidental)	10	14	28	15	18	32	18
Drowning (accidental)	8	15	21	17	19	17	11
Gunshot (accidental)	8	1	1	7	1	6	2
Burns (accidental)	20	25	40	28	20	25	28
Overdose (accidental)							20
Suffocation or Aspiration (accidental)	19	36	20	12	21	20	39
Industrial Accidents	13	13	14	23	8	21	5
Miscellaneous Accidents							20
Sudden Deaths, Children	17	12	10	2	2	2	4
Suicides	212	220	215	199	233	234	237
Signed From History	1	-	-	1	-	2	-
Natural causes death	1799	1800	1607	1647	1816	1778	1776

SUICIDES

	<u>1967</u>						<u>1968</u>						
	<u>July</u>	<u>Aug.</u>	<u>Sept.</u>	<u>Oct.</u>	<u>Nov.</u>	<u>Dec.</u>	<u>Jan.</u>	<u>Feb.</u>	<u>Mar.</u>	<u>Apr.</u>	<u>May</u>	<u>June</u>	<u>Total</u>
Male	11	8	3	16	9	5	10	16	8	14	10	13	123
Female	13	12	11	8	5	9	8	8	7	12	7	14	114
Total.....													237

MODE

Barbiturate.....	106
Carbon monoxide-auto.....	10
Paraldehyde.....	1
Drowning.....	8
Revolver.....	27
Rifle.....	7
Shotgun.....	4
Hanging.....	20
Jump from Window.....	9
Jump from Golden Gate Bridge.....	23
Jump from S.F.-Oakland Bay Bridge.....	2
Jump from fire escape.....	3
Jump from roof.....	3
Jump from street overpass.....	1
Lye.....	1
Plastic bag.....	4
Arsenic.....	1
Salicylate.....	1
Miscellaneous.....	6
Total.....	237

SUICIDES

STATION

Married.....	97
Single.....	48
Divorced.....	28
Widower.....	5
Widow.....	19
Unknown.....	40
Total.....	237

AGES

Between 10 - 20 years.....	10
" 20 - 30 "	32
" 30 - 40 "	35
" 40 - 50 "	42
" 50 - 60 "	62
" 60 - 70 "	36
Over 70 "	20
Total.....	237

COLOR

White.....	221
Yellow.....	11
Negro.....;	5
Total.....	237

Alcohol present over 0.15%..... 27

HOMICIDES

	<u>MURDER OR MANSLAUGHTER</u> <u>(Person against Person)</u>		<u>JUSTIFIABLE</u> <u>BY POLICE</u>		<u>JUSTIFIABLE</u> <u>BY CITIZEN</u>		<u>TOTAL</u>
	Male-Female		Male-Female		Male-Female		
<u>1967</u>							
July	5	3	1	-	-	-	9
Aug.	10	3	-	-	-	-	13
Sept.	3	-	1	-	-	-	4
Oct.	1	1	1	-	2	-	4
Nov.	1	1	-	-	-	-	2
Dec.	6	3	-	-	-	-	9
<u>1968</u>							
Jan.	4	-	-	-	1	-	5
Feb.	5	3	-	-	1	-	9
Mar.	2	2	1	-	1	-	6
Apr.	4	1	-	-	-	-	5
May	5	2	-	-	-	-	7
June	7	2	1	-	-	-	10
	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
Total	53	21	4	-	5	-	83

MANSLAUGHTER (AUTO FATALITIES)

	<u>Male-Female</u>		
<u>1967</u>			
July	1	2	3
Aug.	-	1	1
Sept.	1	2	3
Oct.	1	1	2
Nov.	-	-	-
Dec.	3	-	3
<u>1968</u>			
Jan.	-	-	-
Feb.	1	1	2
Mar.	-	1	1
Apr.	4	1	5
May	-	-	-
June	-	-	-
	<u> </u>	<u> </u>	<u> </u>
Total	11	9	20

Alcohol present over 0.15%..... 10

HOMICIDES

AGES OF THOSE KILLED

MALE

Under 20 years.....	6
Between 20 - 30 ".....	22
" 30 - 40 ".....	9
" 40 - 50 ".....	8
" 50 - 60 ".....	8
" 60 - 70 ".....	6
Over 70 ".....	2
Total.....	41 61

FEMALE

Under 20 years.....	7
Between 20 - 30 years.....	4
" 30 - 40 ".....	4
" 40 - 50 ".....	3
" 50 - 60 ".....	1
" 60 - 70 ".....	1
Over 70 ".....	2
Total.....	22

COLOR OR RACE OF THOSE KILLED

White.....	45
Yellow.....	6
Negro.....	32
Total.....	83

APPARENT MOTIVE

Robbery.....	11
Argument.....	18
Domestic Difficulty.....	5
Self-defense.....	7
Unknown.....	42
Total.....	83

BY WHAT MEANS

Bullet.....	40
Stabbing.....	18
Strangulation.....	3
Blow.....	13
Miscellaneous.....	9
Total.....	83

BY WHOM KILLED

By husband.....	2
By wife.....	1
By known person.....	56
By unknown person.....	24
Total.....	83

MOTOR VEHICLES FATALITIES
July 1st, 1967 through June 30, 1968

	<u>1967</u> --						<u>1968</u>						
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	TOTAL
Autos	6	2	6	-	6	12	2	7	7	9	3	9	70
Trucks	1	-	-	-	2	2	-	1	-	2			8
Autobus	-	-	2	-	1	-	1	-	2	-	1	-	7
Taxicab	-	-	-	-	-	-	-	-	-	1	-	-	1
Motorcycle	1	1	2	4	-	1	1	-	1	2	2	1	16

LOCATION OF ACCIDENT

At intersection.....	65
Not at intersection.....	30
Golden Gate Bridge and ramp.....	1
San Francisco-Oakland Bay Bridge and ramp.....	4
Lick and Bayshore Freeways.....	2
	<u>102</u>

POSITION OF PERSON KILLED AT TIME OF ACCIDENT

Pedestrian.....	45
Driver.....	36
Occupant.....	10
Motorcyclist.....	11
	<u>102</u>

SEX OF DRIVERS

Male.....	73
Female.....	22
Unknown.....	7
	<u>102</u>

SEX OF PERSON KILLED

Male.....	70
Female.....	32
	<u>102</u>

AGES OF PERSONS KILLED

Under	5	yrs.....	4
Between	5-	10 yrs.....	3
"	10-	20 "	8
"	20-	30 "	27
"	30-	40 "	13
"	40-	50 "	7
"	50-	60 "	10
"	60-	70 "	19
Over	70	".....	11
			<u>102</u>

HOW ACCIDENT OCCURREDBY AUTOMOBILE - 69

Struck by auto.....	27
Collision of two autos.....	27
Struck by hit-run auto.....	8
Auto struck abutment.....	3
Auto struck pole.....	5
Auto struck divider strip.....	3
Auto struck parked auto.....	0
Crushed between auto and garage door.....	1
Total	<u>69</u>

BY TRUCK - 8

Struck by truck.....	6
Crushed by truck.....	2
Total	<u>8</u>

BY TAXICAB - 1

Struck by taxicab.....	1
Total	<u>1</u>

BY MOTORCYCLE - 16

Thrown from motorcycle.....	3
Collision with auto.....	12
Struck by motorcycle.....	1
Total	<u>16</u>

BY BUS - 8

Struck by street car bus.....	8
Total	<u>8</u>

DAY OF ACCIDENT

Sunday.....	12
Monday.....	14
Tuesday.....	11
Wednesday.....	21
Thursday.....	11
Friday.....	17
Saturday.....	16
Total	<u>102</u>

AGE OF DRIVER CONCERNED

Unknown.....	25
16-20 yrs.....	10
20-30 ".....	28
30-40 ".....	15
40-50 ".....	3
50-60 ".....	9
60-70 ".....	9
Over 70 yrs.....	3
Total	<u>102</u>

TIME ACCIDENT OCCURRED

Daytime - between	
6 AM to 6 PM	53
Night time between	
6 PM to 6 AM	<u>49</u>
	<u>102</u>

Alcohol present - over 0.15%..... 9

STREET CAR FATALITIES

	1967						1968						Total
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	
Pedestrian -	1	-	-	-	-	-	-	-	-	1	-	-	2
Cable Car Passengers -			-	-	-	2	-	-	-	-	-	-	2
Total	1	-	-	-	-	2	-	-	-	1	-	-	4

SEX OF PERSONS KILLED

Male..... 4

AGES OF PERSONS KILLED

Under 5 years.....	1
Between 20 -39 years.....	2
Between 50 -60 years.....	1
Total.....	<u>4</u>

TIME ACCIDENT OCCURRED

Daytime-Between 6:00AM to 6:00 P.M.....	2
Night-time Between 6:00PM to 6:00 AM...	2

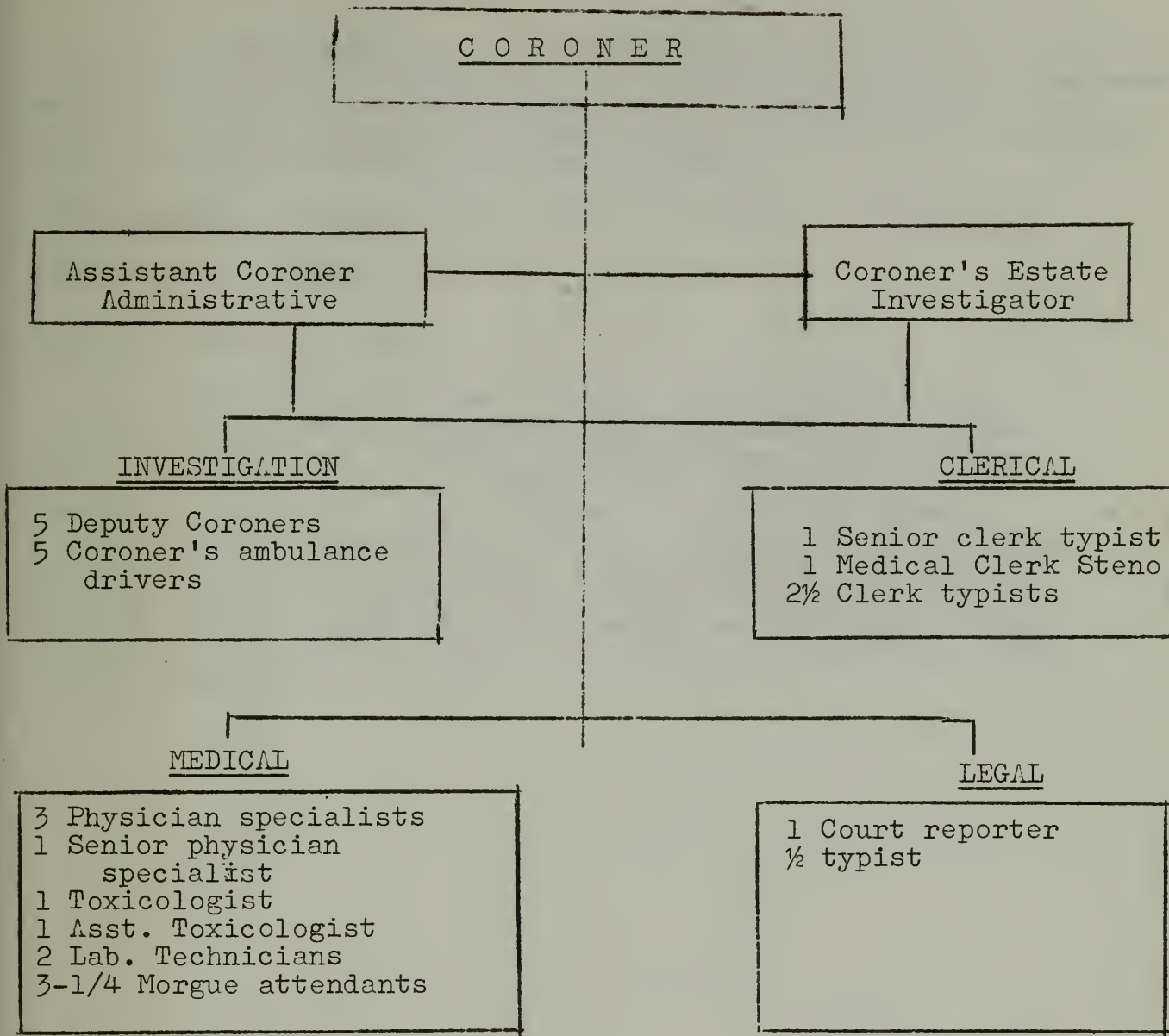
ACCIDENTAL FALLS

<u>NATURE OF</u>	<u>TOTAL</u>
Fall on street.....	15
Fall downstairs.....	16
Fall from window.....	8
Fall at home.....	40
Fall in hospital, nursing home or Laguna Honda Home.....	10
Fall in public building.....	16
Fall from roof.....	---
Fall from ladder.....	1
Fall on Golden Gate Bridge.....	2
Fall on loading dock.....	5
and miscellaneous	
Total.....	123

AGES

Under	20 years.....	3
Between	20 - 30 years.....	6
"	30 - 40 "	5
"	40 - 50 "	15
"	50 - 60 "	18
"	60 - 70 "	19
"	70 - 80 "	17
"	80 - 90 "	22
Over	90 "	8
Total.....		113

Alcohol present over 0.15%..... 11



The Work Chart shows the functioning organization of the Coroner's Office for operation on a 24 hour per day, 7 day per week schedule. On the following pages are the approximation of the unit work load, calculated on the basis of fiscal year 1967-1968. This load changes little from year to year.

TOTAL BUDGET - July 1, 1967 - June 30, 1968 \$352,716

Population: 750,000

Cost per capita: 41¢

In evaluating cost per capita, note should be taken that cost of investigation, ambulance service, morgue facilities, janitorial services, burial of indigent peace time veterans, etc., are provided in the budget. Many jurisdictions having seemingly lower costs may be found to have these services provided by other agencies as police, county hospitals, works department, etc., but no less a public expense even if not showing in the Coroner's budget. Further allowance should be made for relative standards of practice as reflected in the number of autopsies performed in relation to the total deaths in the community.

CORONER'S INQUESTS

Jurors summoned..... 432
Witnesses summoned.....1203
Inquests held..... 312

ACTIVITY

MEDICAL

3 Physician specialist
1 Senior physician specialist
1 Toxicologist
2 Lab. Technicians
3¼ Morgue attendants

2501 bodies were received and identified and after autopsy prepared for burial or storage in our vault.

2501 autopsies were performed.

2145 specimens sent to pathology laboratory where microscopic examination made and findings dictated and typed.

2466 specimens to toxicology laboratory for chemical and other tests. Reports dictated and transcribed,

Approximately 180 appearances in court and before Grand Jury by Physician staff

Approximately 450 consultations with district attorney and homicide inspectors.

INVESTIGATION

1 Assistant Coroner-Administrative
5 Deputy coroners
5 Ambulance drivers

3927 cases reported. Approximately 4700 trips by invest. and ambulance drivers to scene of death or home of witnesses

2501 bodies removed to morgue from home or hospital

3927 reports of circumstances of death dictated and transcribed in Coroner's records.

Approximately 6200 identification records, fingerprints records, etc.

Approximately 2600 records and reports on property found, and later accounted for and delivered or shipped to next of kin.

LEGAL

1 Court reporter
½ typist
312 Inquests

1203 Witnesses subpoenaed and testimony taken

432 jurors subpoenaed

About 3,500 pages of transcript typed.

9 Manslaughter warrants issued by Coroner as a result of Jury's verdict

CLERICAL

1 Clerk stenographer
3½ clerk typists

Approximately 17,000 pages of history or report of autopsy and laboratory findings transcribed.

Approximately 2400 letters to next of kin, regarding deaths, property, authorizations, etc.

2501 death certificates made and delivered

Approximately 14,000 persons interviewed or contacted across the business office counter regarding cases investigated.

Approximately 42,250 phone calls calculated to be made and received regarding cases handled by this office.

UNIT COSTS

ADMINISTRATION:

1 Coroner		
Unit Cost (3927)	\$28,536.	<u>\$ 7.26 per case</u>

INVESTIGATION:

Including removal transportation and care of bodies

1 Asst. Coroner-administrative	11.028	
5 Deputy Coroners	15,612	
5 Coroner's ambulance drivers	45,630	
Overtime	2,100	
Holidays	3,710	
Vacation relief	6,375	
Maintenance of autos	2,295	
Maintenance of stretchers	68	
Telephone directory service	90	
Tires and Tubes	105	
Gasoline	750	
Laundry	599	
Cleaning equipment and supplies	160	
Sheets	675	
	<u>\$125,197</u>	
For 3927 cases investigated		<u>\$37.83 per case</u>

CLERICAL:

1 Estate Investigator	\$ 7,071	
1 Medical Clerk stenographer	6,525	
1 Senior clerk typist	6,936	
2½ Clerk typists	16,530	
Holidays	1,571	
Vacation relief	1,375	
Maint.&repair of office equip.	642	
Postage	410	
Stationery & Stat.withdrawals	1,578	
	<u>\$ 42,638.</u>	
		<u>\$ 13.08 per case</u>

SCIENTIFIC:

Autopsy: (2501 cases autopsied)		
3 Physician specialist	\$ 50,044	
part time		
3¼ morgue attendants	21,852	
Vacation relief	3,565	
Holidays	487	
	<u>\$ 85,948</u>	
		<u>\$34.30 per case</u>

Includes all appearances in court and grand jury and consultations with district attorney and homicide inspectors before court appearances.

UNIT COSTS

TOXICOLOGI: (2501 cases referred)

1 Toxicologist, part time	\$ 13,473
1 Asst. Toxicologist	11,292
Vacation relief	910
½ Maintenance of lab. equip.	250
Toxicology supplies	1,183
	<u>\$ 27,108</u>

\$10.83 per case

For 2600 individual tests for alcohol, barbiturate, narcotic, etc., includes all appearances in court and grand jury and consultation with district attorney and homicide inspectors before court appearances

PATHOLOGY: (1113 cases referred)

1 Pathologist, part time	\$ 16,071
2 Technicians	20,232
Holidays	367
Vacation relief	706
½ Maintenance of laboratory	250
Pathology supplies	2,516
	<u>\$ 40,142</u>

\$16.05 per case

For 8600 tests of tissues, body fluids for both microscopic, including laboratory study. Includes all appearances in court and grand jury and consultation with district attorney and homicide inspectors before court appearances.

LEGAL:

1 Court reporter, part time	\$ 6,307.
½ Typist	3,306
Vacation relief(reporter)	258
	<u>\$ 9,871.</u>

\$31.63 per inquest

For 312 Inquests

This was offset by sales of transcripts of court testimony and protocol in amount of \$2,272 or about \$7.28 per inquest, thus actual cost to city of \$23.35 per inquest.

\$23.35 per inquest

A N N U A L R E P O R T

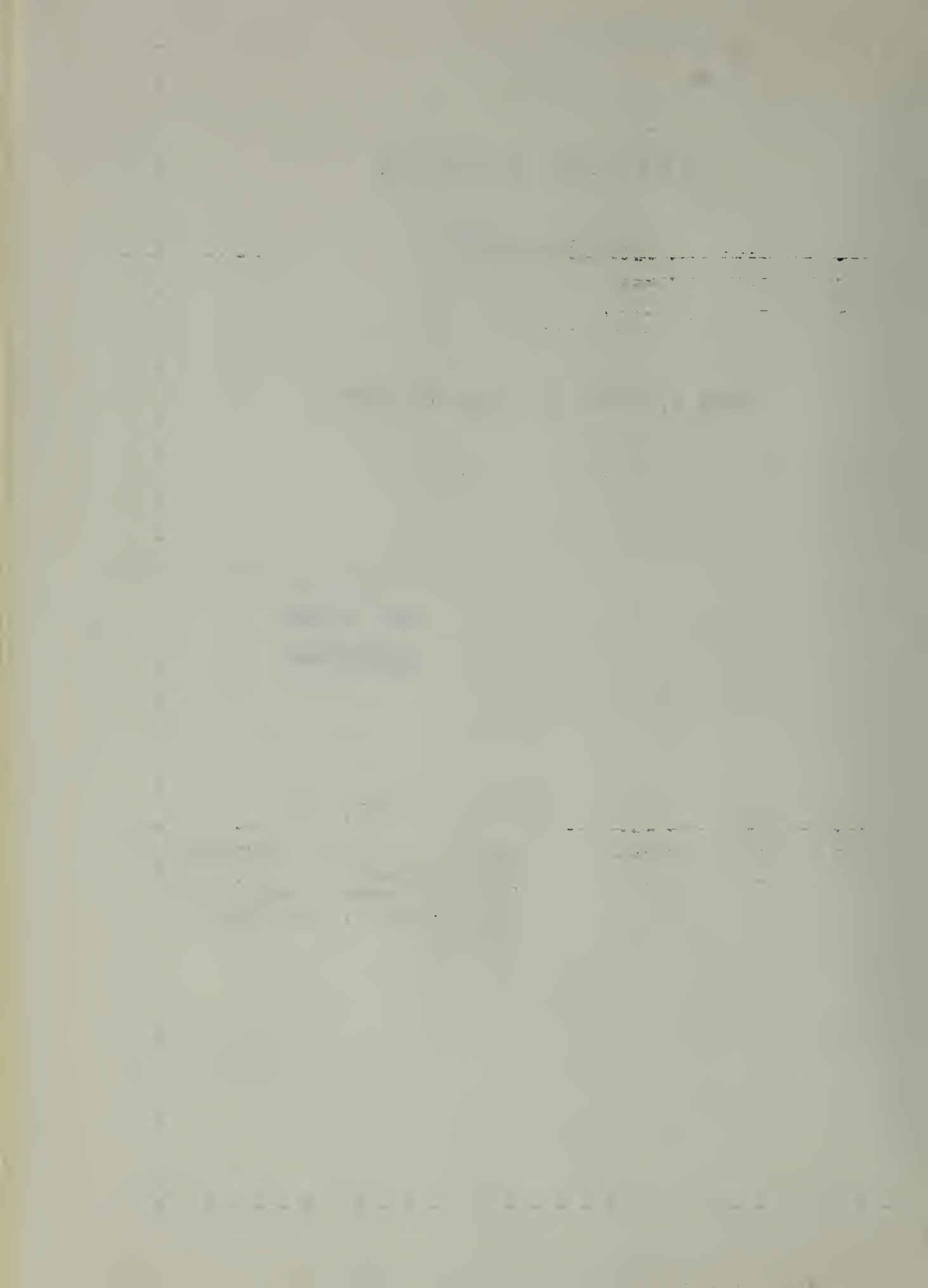
CORONER'S OFFICE

July 1, 1968 - June 30, 1969

OCT 1 1969
SAN FRANCISCO
PUBLIC LIBRARY

HENRY W. TURKEL, M.D.

Coroner, City and County of
San Francisco
7th and Bryant Streets
San Francisco, California
94103



C O R O N E R
HENRY W TURKEL M.D.

Assistant Coroner
Administrative

Coroners Estate
Investigator

5 Deputy Coroners
5 Coroners Ambulance
Drivers

1 Senior Clerk Typist
1 Medical Clerk Steno
3 Clerk Typist

3 Physician Specialists
1 Senior Physician
Specialist
1 Toxicologist
1 Asst. Toxicologist
2 Lab. Technicians
3- $\frac{1}{4}$ Morgue Attendants

1 Court Reporter

THE UNIVERSITY OF CHICAGO

THE UNIVERSITY OF CHICAGO LIBRARY

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CHICAGO, ILL. 60607

THE UNIVERSITY OF CHICAGO

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CHICAGO, ILL. 60607

FISCAL YEAR 1968-1969

TOTAL DEATHS REPORTED TO CORONER:	4023
TOTAL DEATHS IN COUNTY.....	9888
CORONER'S AUTOPSIES	2559
PERCENT OF ALL DEATHS HAVING CORONER'S AUTOPSY.....	25.08%

(1) Cases reported, investigated and
cleared by Coroner for physicians signature: 1464

(2) Cases accepted by Coroner 2559

(a) Natural deaths	1702
(b) Accidents	415
(c) Suicides	246
(d) Homicides	141
(e) Others	55

(3) Autopsies performed 2559

(100% autopsy rate)

(4) 40.69% of all deaths in San Francisco County were
reported to Coroner.
25.08% of all deaths in San Francisco County
were Coroner's cases.

BURIALS AUTHORIZED BY CORONER

(1) Indigents and foetus buried by City..... 202

(2) Veterans buried by rotation funeral homes..... 47

(3) Cases buried by rotation funeral homes with
Public Administrator controlled funds 30

INQUESTS

(1) Inquests held 305

(2) Jurors summoned 466

(3) Witnesses summoned 912

(4) Manslaughter or Murder warrants issued
by Coroner 3

IDENTIFICATION

(1) Persons brought to Coroner's office with insufficient identification.....	172
(2) Persons subsequently identified.....	168
(3) Persons buried as unidentified	4
(4) Fingerprints taken and forwarded to FBI, Calif. CII, or S.F. Police Dept.....	2148 sets

1001
1002
1003
1004

1005
1006

1007 (1) ...

1008
1009
1010
1011
1012

1013 (2) ...

1014 (3) ...

1015 (4) ...
1016
1017
1018

1019 ...

1020 (1) ...

1021 (2) ...

1022 (3) ...
1023

1024 ...

1025 (1) ...
1026

1027 (2) ...

1028 (3) ...

1029 (4) ...
1030

1031 ...

1032 (1) ...

1033 (2) ...

1034 (3) ...
1035

ACTIVITY

1. The Autopsy Department is staffed by 3 pathologists (physician specialists) who work part-time. They performed 2559 autopsies during the fiscal year. They dictated approximately 5300 pages of autopsy protocol. Autopsies are performed 7 days a week. The autopsy surgeons are assisted by 3 full-time and 1 part-time morgue attendants who also prepare and deliver the bodies to the morticians and maintain the premises of the autopsy department. These 3 pathologists (physician specialists) made approximately 210 appearances in Court and before the Grand Jury as part of their duties. They also held approximately 500 consultations with assistant district attorneys and homicide investigators.

The Pathology Department has 1 senior physician specialist and two technicians. There were 1174 cases referred to this department. There were 6403 microscope slides made and examined from some 2182 portions of various human organs. 2429 paraffin blocks were made and 636 special stains were used in the microscopic examination. Approximately 1225 pages of medical findings were submitted.

The Toxicology Department has 1 part-time toxicologist and 1 full-time assistant toxicologist. There were 2550 cases referred to this department and 11,039 individual tests performed.

2. Investigative. We have one Assistant Coroner, Administrative, 5 Deputy Coroners and 5 Coroners Ambulance Drivers. Approximately 5000 trips by the Deputy and Drivers were made to scenes of death, residences of victims or to interview witnesses. 2560 Coroner's register pages were completed by these deputies and a history of the circumstance surrounding each death was typed in narrative form on each page. 1464 additional deaths were reported to the deputies and after investigation were found suitable for certification by the family physician rather than by the Coroner. In each case so cleared by the deputies, a brief medical history and circumstance of death are dictated into a permanent record so that questions later arising can be suitably answered.
3. Legal. There is 1 Certified Court Reporter on a part-time basis. The transcribing of testimony of witnesses at inquests and the sale of the transcripts is in accord with the provisions of the Government Code of Counties.
4. Clerical. 1 Medical Clerk Stenographer, 1 Senior Clerk and 3 Medical Transcriber Typists prepared approximately 2500 letters to families or agencies to notify them of deaths or to locate relatives. They typed 2560 histories, approximately 5300 pages of autopsy protocol, waited on 14,500 business office visitors and received or made 45,000 telephone calls. One property custodian who had the responsibility to verify the inventory of deceased's personal property, deposit all cash and distribute this property to the rightful recipients as outlined in the Probate Code.

DEFINITION OF TERMS USED

ALKALOID OF
MORPHINE GROUP

The substance identified following an injection of morphine, heroin, etc.

ELIM. (ELIMINATED)

Indicates deceased lived long enough after injury to have eliminated all toxic agents from his body.

MODE OF DEATH

Indicates the manner of death, such as natural, accident, suicide or homicide, and is to be distinguished from cause of death which is purely a medical determination.

MULTIPLE VEHICLE

More than one vehicle involved.

SINGLE VEHICLE:

Vehicle struck pole, wall, divider, etc., without the influence of another vehicle.

NON-TRAFFIC

Accident occurred off the street in driveway, garage, etc.

MODE UNKNOWN

Circumstances totally unknown as when only bones are found or when no medical cause of death is determined.

MODE EQUIVOCAL

As, for example, when it cannot be decided whether, death was suicide or accident or, for example, accident versus homicide.

MONTHLY FIGURES

PATHOLOGY

<u>1968</u>	<u>TOTAL CASES</u>	<u>CASES REFERRED TO PATH- OLOGIST</u>	<u>INDIVIDUAL SPECIMENS EXAMINED</u>
-------------	------------------------	--	--

JULY	197	105	593
AUG	201	97	529
SEPT	196	78	411
OCT	206	102	631
NOV	208	83	495
DEC	260	106	560

1969

JAN	223	93	495
FEB	220	106	574
MAR	237	102	488
APR	232	126	685
MAY	204	95	480
JUN	176	81	462

2569	1174	6403
------	------	------

TOXICOLOGY

<u>CASES REFERRED TO TOXICOLOGIST</u>	<u>INDIVIDUAL TESTS PERFORMED</u>
---	---

197	939
196	851
195	775
206	929
208	684
260	1042

2550	11039
------	-------

DATE	TO	BY	AMOUNT	DATE	TO	BY	AMOUNT
1811				1811			
1812				1812			
1813				1813			
1814				1814			
1815				1815			
1816				1816			
1817				1817			
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1894				1894			
1895				1895			
1896				1896			
1897				1897			
1898				1898			
1899				1899			
1900				1900			

MODE OF DEATH BY MONTH

	1968					1969					Total	%		
	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total	%
Natural deaths	133	130	144	133	143	183	149	156	163	130	134	104	1702	66.4
Accidents														
Motor vehicle	11	10	9	13	11	13	10	9	9	15	10	9	129	5.0
At home	19	15	6	15	11	19	13	11	15	20	6	11	161	6.2
Away from home	5	2	7	15	14	7	8	5	8	11	10	6	98	3.8
Industrial	3	4	5	1	2	1	2	3	3	1	0	2	27	1.0
Suicides	17	23	13	17	13	18	21	20	24	31	24	25	246	9.6
Homicides	7	14	10	7	10	13	12	11	13	16	13	15	141	5.5
Mode Unknown	2	2	2	2	0	2	6	0	0	5	4	2	27	1.0
Medical Cause Unknown	0	0	0	0	0	1	0	0	0	0	0	0	1	
Mode Eautvocal	0	1	0	3	2	3	2	5	2	3	3	2	26	1.0

COMPARISONS BY YEAR

	1964-1965	1965-1966	1966-1967	1967-1968	1968-1969
Accidents					
Motor Vehicle	104	114	99	102	129
Non-Vehicular	249	245	244	256	286
Suicides	199	233	234	237	246
Homicides	55	59	79	83	141

VIOLENT DEATHS

There were 2559 Coroner's cases brought to the Coroner's Office and autopsied.

Of these 829 cases were determined to be violent.

	<u>Total Number</u>	<u>% of Violent Deaths</u>	<u>% of Total Coroner's Cases</u>
ACCIDENTS	415	50.0%	16.2%
SUICIDES	246	29.6%	9.6%
HOMICIDES	141	17.0%	5.5%
OTHER VIOLENT DEATHS, MODE EQUIVOCAL*	27	3.2%	1.0%

* There was violence in relation to the death. It can be said that the death was not a natural death, however, whether accident, suicide or homicide could not be ascertained.

VEHICULAR DEATHS

	Mltpl Veh	Sgl Veh	Non-Motor vehicles	Location						Non- Traffic
				Inter- section	Mid- block	G.G. Bridge	Bay Bridge	Free- way	Outside S.F.*	
July	5	5	1	4	1	1	0	4	0	0
Aug	4	5	1	3	0	0	0	5	2	0
Sept	4	5	1	3	0	0	0	5	2	0
Oct	5	5	3	6	5	0	0	0	0	0
Nov	6	5	0	5	4	0	0	2	2	0
Dec	4	7	2	6	5	0	1	0	1	0
Jan	7	3	0	5	4	0	0	1	0	0
Feb	3	6	0	3	2	0	2	1	1	0
Mar	2	7	0	1	7	0	0	1	0	0
Apr	9	4	2	8	5	1	0	0	1	0
May	2	8	0	5	4	0	0	1	0	0
Jun	5	4	0	5	3	0	0	0	1	0

* Injured person moved to S.F. for treatment and died here.

INTOXICANTS & VEHICULAR DEATHS

Alcohol			Barb			Sex		Position of deceased		
Pos	Neg	Elim**	Pos	Neg	Elim	M	F	Ped	Passenger	Driver
26	57	46	0	83	46	85	44	54	33	42

** The person was hospitalized long enough that any toxic agent, if present, would have been eliminated. It should be understood, therefore, that we cannot say from autopsy whether alcohol or drugs was or was not involved in these cases.

AGES IN VEHICULAR DEATHS

Age	20-29		30-39	40-49	50-59	60-69	Over 70
Under 20							
25	31		6	11	15	15	26

Note: All above information relates to deceased person and does not reflect circumstances of other persons involved.

ACCIDENTS AT HOME

	SEX		RACE		ALCOHOL			BARB			
	Male	Female	White	Non-white	Pos	Neg	elim	Pos	Neg	Elim	
ASPHYXIA:											
Food bolus	2	1	2		1		2	1	0	0	
Infants	0	3	1		2		0	3	0	0	
Others	3	3	4		2		2	4	0	0	0
BURNS	25	17	32		10		11	18	13	0	33
											Outside S.F. 11
FALLS	48	32	71		9		12	13	65	5	10
											65
FIREARMS	3	1	2		2		0	4	0	0	4
											Handgun Shoulder 4
TOXIC POISONING	10	10	16		4		9	8	3	8	9
											10 Alkaloid of morphine 6 Barb 4 Barb & alcohol
CARBON MONOXIDE	3	1	1		3		4	0	0	1	0
											Auto Gas Appl. 1 3
MISC.	3	2	3		2		1	4	0	1	4
											0
AGE OF FALL VICTIMS											
	Under 10	11-20	21-30	31-40	41-50	51-60	61-70	Over 70			
	0	1	1	4	8	18	11	37			

ACCIDENTS AWAY FROM HOME

	Sex		Race		Alcohol			Barb			
	Male	Female	White	Non-White	Pos	Neg	Elm	Pos	Neg	Elm	
ASPHYXIA:											
Food bolus	2	0	2	1	2	1	0	0	3	0	
Infants											
Others	1										
BURNS	4	2	3	3	1	2	3	0	3	3	Outside S.F. 5
FALLS	33	19	40	12	13	21	18		34	14	
FIREARMS											Handgun Shoulder
TOXIC POISONING	13	2	4	11	4	11		1	13	1	Alkaloid of morphine Group: 8 Barb & Alcohol: 3 Others: 4
CARBON MONOXIDE											Auto Gas Appl.
MISC.	12	9	16	5	9	12			21		

INDUSTRIAL ACCIDENTS

	ALCOHOL			BARB			
	Pos	Neg	Elim	Pos	Neg	Elim	
ASPHYXIATION 0	-	-	-	-	-	-	Chest Compression Carbon Monoxide
BURNS 9	0	5	4	0	5	4	Flame 9 Chemical
CRUSHING 5	0	4	1	0	4	1	Crane 1 Material being loaded 1 Fixed Machinery 1 Other
STRUCK BY OBJECT 3	1	0	2	0	1	2	Elevator Bldg Material falling 1 Moving part 1 Fixed Mach. 1 Other
FALLS 9	1	6	2	0	7	2	0 One level to another 8 Same level 1
MISC. 1	0	1	0	0	1	0	Boiler Explosion

HOMICIDE

FISCAL YEAR 1968-1969

Murder: 127

Justifiable or excusable homicide by police: 4

Justifiable or excusable homicide by Citizen: 10

	1968					1969				
	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr
Murder	6	12	10	7	9	13	12	10	11	12
Justifiable homicide by Police									2	2
Justifiable homicide by citizen	1	2			1			1		2
										1

White	Non-white	Male	Female
80	61	120	21

Murder Motive	During or following an argument with					Robbery	Motive Unknown
	Spouse	Relative	known to dec	Stranger			
	6	1	59	42	25		8

METHOD

Blunt trauma..... 16 Cutting or Stabbing..... 24 Firearms..... 96

Strangulation..... 5 Others 0

Note: All statistics relate to victim alone.

SELECTED HOMICIDE STATISTICS

Fiscal Year Comparisons:

	1964-65	1965-66	1966-67	1967-68	1968-69
Total:	55	59	79	83	141
Firearms:	22	31	44	40	96

5 YEAR COMPARISONS:

	1964-65	1965-66	1966-67	1967-68	1968-69
Justifiable or excusable by Police 2		1	3	4	4
Justifiable or excusable by Citizen 1		6	7	5	10

SUICIDES BY MONTH

	1968 July	Aug	Sept	Oct	Nov	Dec	1969 Jan	Feb	Mar	Apr	May	June	Total
Male	12	13	5	8	8	14	13	14	17	19	11	13	147
Female	5	10	8	9	5	4	8	6	7	13	13	12	99
White	17	23	13	16	11	13	17	17	23	30	22	25	227
Non White	0	0	1	1	2	5	4	3	1	2	2	0	120

Asphyxia	1	1	1	4	4	6	2	3	4	3	4	4	37
Cutting or Stabbing	1					1	1						3
Firearms	5	4		3	3	3	8	4	5	12	4	8	54
Jumping	4	6	2	1	3	6	1	4	1	3	2	3	36
Poisoning	4	10	10	9	3	2	9	5	14	14	12	10	102
Misc.	2	2						9			2		15

Total, alcohol present in body: 66

SELECTED SUICIDE STATISTICS

AGE	Under 20	20 29	30 39	40 49	50 59	60 69	Over 70	% of Suicides	% of Total Cases
ASPHYXIATION :									
Plastic bag		2	3	3	6	11	5	11%	1%
Hanging									
Auto Exhaust									
CUTTING OR STABBING			1		1			1%	.01
FIREARMS:		3	19	4	8	9	10	25%	2%
Hand guns									
Shoulder guns									
JUMPING:									
G.G. Bridge		2	10	6	3	7	3	15%	2%
SF Bay "									
Bldg etc									
POISONING:									
Barbiturate		1	15	18	20	6	11	46%	4%
Others									
OTHERS:			3	3				2%	.02%

SELECTED SUICIDE STATISTICS
BY YEAR

	1964-1965	1965-1966	1966-1967	1967-1968	1968-69
Total Suicides	199	233	234	237	246
White	189	215	210	221	225
Non-white	10	18	24	16	21
Hand guns	21	15	35	27	50
G.G. Bridge	15	16	9	23	10
Barbiturate	71	84	87	106	102
Alcohol present	31	27	26	27	66

TOXICOLOGY

CASES TESTED FOR ALCOHOL:

Positive..... 580
Negative 2043

CASES TESTED FOR BARBITURATE:

Positive..... 160
Negative..... 2386

INCIDENCE OF SPECIFIC DRUGS OR POISONS:

Secobarbital....	40	Alkaloid of	
Pentobarbital...	32	Morphine group.....	31
Tuinal.....	18	Salicylate.....	9
Amobarbital.....	1	Carbon Monoxide.....	30
Phenobarbital...	49	Strychnine.....	1
		Paraldehyde.....	3
		Nicotine (Black Flag)...	1

INCIDENCE OF POSITIVE RESULTS OF OTHER DRUGS OR TOXIC AGENTS*

Doriden.....	1	Hydantoin.....	1
Darvon	1	Phenothiazine.....	2
Meprobarbate	4	Mercury	1
Vivactil	1	Valium	5
Kan-O frost	1	Demerol	1
Librium	4	PHenacetin	2
Placidyl.....	1	Coal tar	1
		Distillate	1

*This figure does not represent separate cases.

Any one case may have more than 1 positive result.

DEATHS FROM NATURAL CAUSES
(International code of causes of death)

1968-1969
Fiscal Year

General

Undiagnosed	11
Diabetes mellitus	1
Dermatitis	1
Ectopic pregnancy	1
Prematurity	2
Starvation	11
Stillbirth	3
Psychosis	0
Parasites	0

Infections

Septicemia	1
Lung abscess	2
Lobar pneumonia	49
Organizing pneumonia	1
Viral pneumonia	2
Primary atypical pneumonia	2
Pneumonitis	29
Pulmonary tuberculosis	15
Heart abscess	1
Bacterial endocarditis	2
Liver abscess	1
Hepatitis	9
Prostatitis	1
Meningitis	6
Brain abscess	1

Neoplasms

Primary unknown	5
Skin	1
Breast	11
Beonchogenic	10
Pulmonary	14
Larynx	1
Spleen	1
Stomach	6
Small intestine	1
Large intestine	6
Liver	2
Pancreas	5
Kidney	1
Bladder	1
Prostate	3
Cervix	3
Ovary	3

Congenital Abnormalities

Generalized	3
Heart	6

Heart and major vessels

Coronary occlusion	24
Coronary arteriosclerosis	448
Coronary thrombosis	181
Cor pulmonale	1
Intramural hemorrhage	158
Hypertension	46
Hypertensive & arterio-	
sclerotic	8
Myocardial fibrosis	3
Primary myocarditis	9
Interstitial myocarditis	1
Rheumatic heart disease	12
Spontaneous rupture	19
Calcific and aortic stenosis	17
Pericarditis	2
Aortic arteriosclerotic	
aneurysm	27
Aortic dissecting aneurysm	16
Aortic arteriosclerosis	2

Respiratory tract

Bronchial asthma	3
Bronchiectasis	3
Bronchitis	15
Pulmonary fibrosis	1
Pulmonary embolism	29
Pulmonary emphysema	40

Biliary tract (liver, gallbladder, pancreas)

Hepatic abscess	1
Metabolic cirrhosis	83
Fatty degeneration of liver	188
Cholangitis	1
Cholecystitis	2
Pancreatitis	11

G.U. Tract

Kidney necrosis	3
Pyelonephritis	7
Prostatic hypertrophy	2

Blood

Leukemia	3
Polycythemia	1

DEATHS FROM NATURAL CAUSES

1968-1969
Fiscal YearG.I. TRACTCentral Nervous System

Esophageal varices	27	Spontaneous subarachnoid	
Gastric hemorrhage	1	hemorrhage	2
Stomach ulcer	12	Cerebral aneurysm	11
Duodenal ulcer	17	Cerebral sclerosis	4
Mesenteric thrombosis	2	Encephalopathy	2
Obstruction of bowel	6	Spontaneous intracerebral	
Strangulation of bowel	1	hemorrhage	26
Volvulus	2	Cerebral infarction	12
Diverticula	2	Cerebral thrombosis	1
Ulcer-large intestine	1	Epilepsy	5

1907

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1907

SIGNIFICANT CHANGES IN 5 YEARS

	<u>1964-1965</u>	<u>1968-1969</u>	<u>Increase</u>
TOTAL VIOLENT DEATHS	687	829	20%
HOMICIDES	55	141	156%
SUICIDES BY HAND GUN	21	50	138%
DEATH FROM HEROIN OVERDOSE	5	18	260%

AGE OF SUICIDES:	10 19	20 29	30 39	40 49	50 59	60 69	Over 70
1964-1965	7	23	28	34	39	39	29
1968-1969	8	31	34	38	47	29	29

The Work Chart shows the functioning organization of the Coroner's Office for operation on a 24 hour per day, 7 day per week schedule. On the following pages are the approximation of the unit work load, calculated on the basis of fiscal year 1968-1969.

TOTAL BUDGET - July 1, 1968 - June 30, 1969 \$389,809

Population: 750,000

Cost per capita: 51¢

In evaluating cost per capita, note should be taken that cost of investigation, ambulance service, morgue facilities, janitorial services, burial of indigent peace time veterans, etc., are provided in the budget. Many jurisdictions having seemingly lower costs may be found to have these services provided by other agencies as police, county hospitals, works department, etc., but no less a public expense even if not showing in the Coroner's budget. Further allowance should be made for relative standards of practice as reflected in the number of autopsies performed in relation to the total deaths in the community.

The increase in the intensity of activities of the Coroner's staff is not truly reflected by the additional 59 deaths handled over fiscal year 1967-1968. There was an increase in violent deaths from 725 in fiscal year 1967-1968 to 829 in 1968-1969. The intensity and depth of investigations required in violent deaths far exceeds natural deaths.

UNIT COSTSTOTAL BUDGET: \$389809ADMINISTRATION:

1 Coroner	29964	
Unit Cost (4024 cases)		\$ <u>7.45 per case</u>

INVESTIGATION

Including removal, transportation and care of bodies

1 Asst. Coroner, Adm.	11820.
5 Deputy Coroners	55477.
5 Coroner's ambulance drivers	49823.
Overtime	1500.
Holidays	2244.
Vacation relief	3000.
Maintenance of autos	1434.
Maintenance of stretchers	50.
Telephone Directory service	90.
Tires and tubes	95.
Gasoline	760.
Laundry	632.
Cleaning equipment & supplies	184.
Sheets	<u>615.</u>

Total	127724.	
for 4024 cases investigated		\$ <u>31.74 per case</u>

CLERICAL:

1 Estate investigator	8150.
1 Medical Clerk stenographer	7975.
1 Senior clerk typist	7678.
2-1/4 Med. Transc. typists	16274.
Holidays	1648.
Vacation relief	1078.
Maint. & repair office equip.	218.
Postage	360.
Stationery & stationery	<u>1614.</u>
Withdrawals	

Total	44995.	\$ <u>11.18 per case</u>
-------	--------	--------------------------

SCIENTIFIC:

Autopsy (2559 cases autopsied)	
3 Physician Specialists, part-time	50301.
3-1/4 Morgue attendants	29012.
Vacation relief	4438.
Holidays	<u>585.</u>

Total	84336.	\$ <u>32.90 per autopsy</u>
-------	--------	-----------------------------

Includes all appearances in court and grand jury and consultations with dist. attorney and homicide inspectors before court appearances.

UNIT COSTS

TOXICOLOGY: (2559 cases referred)

1 Toxicologist, part-time	14850.
1 Asst Toxicologist	12444.
Vacation relief	1587.
Sick relief	2407.
1/2 Maint. of lab. equip	612.
Toxicology supplies	<u>1163.</u>

Total	\$ 33063.	\$ <u>12.91 per case</u>
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For 11,039 individual tests for alcohol, barbiturate, narcotic, etc., includes all appearances in court and grand jury and consultation with district attorney and homicide inspectors before court appearances

PATHOLOGY: (1174 cases referred)

1 Pathologist, part time	17181.
2 Technicians	21696.
Holidays	370.
Vacation relief	1401.
1/2 Maintenance of lab.	612
Pathology supplies	<u>3110.</u>

Total	\$ 44370.	\$ <u>37.79 per case</u>
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For 7,039 tests of tissues, body fluids for both microscopic and including laboratory study. Includes all appearances in court and grand jury and consultation with district attorney and homicide inspectors before court appearances.

LEGAL:

1 Court reporter, part-time	6948.
1/2 typist	3183.
Vacation relief (reporters)	<u>432.</u>

Total	\$ 10563.	\$ <u>34.63 per inquest</u>
-------	-----------	-----------------------------

For 305 inquests

1940-1941

1. 1940-1941
2. 1941-1942
3. 1942-1943
4. 1943-1944
5. 1944-1945
6. 1945-1946
7. 1946-1947
8. 1947-1948
9. 1948-1949
10. 1949-1950

1940-1941

1941-1942

1. 1941-1942
2. 1942-1943
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9. 1949-1950

1940-1941

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5. 1945-1946
6. 1946-1947
7. 1947-1948
8. 1948-1949
9. 1949-1950

1941

1941-1942

San Francisco, Coroner,

A N N U A L R E P O R T

CORONER'S OFFICE

July 1, 1969 - June 30, 1970

DOCUMENTS

NOV 30 1971

SAN FRANCISCO
PUBLIC LIBRARY

HENRY W. TURKEL, M.D.

Coroner, City and County
of San Francisco
7th and Bryant Streets
San Francisco, California
94103

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C O R O N E R
HENRY W TURKEL M.D.

Assistant Coroner
Administrative

Coroners Estate
Investigator

5 Deputy Coroners
5 Coroners
Ambulance Drivers

1 Senior Clerk Typist
1 Medical Clerk Steno
3 Clerk Typists

3 Physician Specialists
1 Senior Physician
Specialist
1 Toxicologist
1 Asst Toxicologist
2 Lab. Technicians
3 $\frac{1}{2}$ Morgue Attendants

1 Court Reporter

FISCAL YEAR 1969-1970

TOTAL DEATHS REPORTED TO CORONER.....	4002
TOTAL DEATHS IN COUNTY.....	9423
CORONER'S AUTOPSIES.....	2517
PERCENT OF ALL DEATHS HAVING CORONER'S AUTOPSY....	26.72 %

- (1) Cases, reported, investigated and cleared
by Coroner for physicians' signature: 1485
- (2) Cases accepted by Coroner..... 2517
 - (a) Natural deaths..... 1549
 - (b) Accidents..... 477
 - (c) Suicides..... 281
 - (d) Homicides..... 129
 - (e) Mode equivocal..... 66
 - (f) Cause unknown..... 15
- (3) Autopsies performed..... 2517
(100% autopsy rate)
- (4) 42.47 % of all deaths in San Francisco County
were reported to Coroner.
26.72 % of all deaths in San Francisco County
were Coroner's cases.

BURIALS AUTHORIZED BY CORONER

- (1) Indigents and fetuses buried by City..... 193
- = (2) Veterans buried by rotation funeral homes. 24
- (3) Cases buried by rotation funeral homes with
Public Administrator controlled funds..... 47

INQUESTS

- (1) Inquests held..... 164
- (2) Jurors summoned..... 101
- (3) Witnesses summoned..... 483

IDENTIFICATION

- (1) Persons brought to Coroner's Office with
insufficient identification..... 171
- (2) Persons subsequently identified..... 168
- (3) Persons buried as unidentified..... 3
- (4) Fingerprints taken and forwarded to
FBI, Calif. CII or S.F. Police Dept..... 2216 sets

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ACTIVITY

The Autopsy Department is staffed by 3 pathologists (physician specialists who work part-time. They performed 2517 autopsies during the fiscal year. They dictated approximately 5227 pages of autopsy protocol. Autopsies are performed 7 days a week. The autopsy surgeons are assisted by 3 full-time and 1 part-time morgue attendants who also prepare and deliver the bodies to the morticians and maintain the premises of the autopsy department. These 3 pathologists (physician specialists) made approximately 231 appearances in Court and before the Grand Jury as part of their duties. They also held approximately 500 consultations with assistant district attorneys and homicide investigators.

The Pathology Department has 1 senior physician specialist and two technicians. There were 1343 cases referred to this department. There were 7144 microscope slides made and examined from some 2325 portions of various human organs. 2777 paraffin blocks were made and 584 special stains were used in the microscopic examination. Approximately 1495 pages of medical findings were submitted.

The Toxicology Department has 1 part-time toxicologist and 1 full-time assistant toxicologist. There were 2516 cases referred to this department and 10,977 individual tests performed.

Investigative. We have one Assistant Coroner, Administrative, 5 Deputy Coroners and 5 Coroners Ambulance Drivers. Approximately 5000 trips by the Deputy and Drivers were made to scenes of death, residences of victims or to interview witnesses. 2517 Coroner's Register pages were completed by these deputies and a history of the circumstances surrounding each death was typed in narrative form on each page. 1485 additional deaths were reported to the deputies and, after investigation, were found suitable for certification by the family physician rather than by the Coroner. In each case so cleared by the deputies, a brief medical history and circumstances of death are dictated into a permanent record so that questions later arising can be suitably answered.

Legal. There is 1 Certified Court Reporter on a part-time bases. The transcribing of testimony of witnesses at inquests and the sale of the transcripts is in accord with the provisions of the Government Code of Counties.

Clerical. 1 Medical Clerk Stenographer, 1 Senior Clerk and 3 Medical Transcriber Typists prepared approximately 2500 letters to families or agencies to notify them of deaths or to locate relatives. They typed 2517 histories, approximately 5227 pages of autopsy protocol, waited on 14,500 business office visitors and received or made 45,000 telephone calls. One Coroner's Estate Investigator has the responsibility to verify the inventory of the deceased's personal property, deposit all cash and distribute this property to the rightful recipients as outlined in the Probate Code. This includes the handling and interpretation of wills, letters, etc.

DEFINITION OF TERMS USED

ALKALOID OF MORPHINE GROUP	The substance identified following an injection of morphine, heroin, etc.
ELIM. (ELIMINATED)	Indicates deceased lived long enough after injury to have elimi- nated all toxic agents from his body.
MODE OF DEATH	Indicates the manner of death, such as natural, accident, suicide or homicide, and is to be distinguished from cause of death which is purely a medical determination.
MULTIPLE VEHICLE	More than one vehicle involved.
SINGLE VEHICLE	Vehicle struck pole, wall, divider, etc., without the influence of another vehicle.
NON-TRAFFIC	Accident occurred off the street in driveway, garage, etc.
MODE UNKNOWN	Circumstances totally unknown as when only bones are found or when no medical cause of death is deter- mined, or when it cannot be said whether natural or accident as when an elderly person dies sometime after a fractured hip.
MODE EQUIVOCAL	As, for example, when it cannot be decided whether death was suicide or accident or, for example, accident versus homicide.

MONTHLY FIGURES

PATHOLOGY

<u>1969</u>	<u>TOTAL CASES</u>	<u>CASES REFERRED TO PATH- OLOGIST</u>	<u>INDIVIDUAL SPECIMENS EXAMINED</u>
JULY	203	110	554
AUG	213	119	647
SEPT	190	91	507
OCT	200	102	608
NOV	210	98	562
DEC	224	118	593
<u>1970</u>			
JAN	247	117	619
FEB	205	88	414
MAR	221	119	654
APR	215	102	498
MAY	211	103	548
JUN	178	95	478

TOXICOLOGY

<u>CASES REFERRED TO TOXICOLOGIST</u>	<u>SEPARATE TESTS PERFORMED</u>
206	880
198	1065
209	768
195	920
199	963
233	1083
237	1075
209	766
230	1067
214	817
193	804
193	769

2517

1343

7144

2516

10977

MODE OF DEATH BY MONTH

	1969					1970					Total		
	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	Total
Natural deaths	114	129	125	124	129	136	154	133	135	136	125	109	1549
Accidents:													
Motor vehicle	13	12	7	10	14	10	7	8	9	6	8	8	112
At home	13	14	17	15	22	11	19	15	20	22	19	12	199
Away from home	12	17	7	8	7	15	13	10	15	13	18	12	147
Industrial	4	1	3			2	1	1	1	1	3	2	19
Suicides	28	20	15	22	23	34	25	22	27	18	25	22	281
Homicides	12	11	8	11	10	9	15	13	10	12	9	9	129
Cause Unknown	1	1		2	1	1	3	1		2	1	2	15
Mode Equivocal	6	8	8	8	4	6	10	2	4	5	3	2	66

COMPARISONS BY YEAR

	1964-65	1965-66	1966-67	1967-8	1968-69	1969-70
Accidents						
Motor Vehicle	104	114	99	102	129	112
Non-vehicular	249	245	244	256	286	365
Suicides	199	233	234	237	246	281
Homicides	55	59	79	83	141	129

10/10/19

10/10/19

10/10/19

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10/10/19

10/10/19

10/10/19

VIOLENT DEATHS

There were 2517 Coroner's cases brought to the Coroner's Office and autopsied.

Of these, 936 cases were determined to be violent.

	<u>Total Number</u>	<u>% of Violent Deaths</u>	<u>% of Total Coroner's Cases</u>
ACCIDENTS	477	50.9	18.9
SUICIDES	281	30.0	11.1
HOMICIDES	129	13.7	5.1
OTHER VIOLENT DEATHS, MODE EQUIVOCAL*	49	5.2	1.9

* There was violence in relation to the death. It can be said that the death was not a natural death; however, whether accident, suicide or homicide could not be ascertained.

Total deaths in S.F. County: 9423

	<u>% of total deaths in SF</u>
Accidents	5.0%
Suicides	2.9%
Homicides	1.3%
Equivocal	.52%

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 CHICAGO, ILL. 60637

Author	Title	Year	Call Number
...
...
...
...

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ABUSE DRUGS

*Accidental overdose of barbiturate: 8

Accidental overdose of heroin: 47

Barbiturate breakdown:

White	Negro	Under 21	21 25	26 30	31 35	36 40	41 45	46 50	Over 50	Male	Fem
8	0	3	1	0	1	1	1	0	1	5	3

Six year comparison of heroin deaths:

1964-65	1965-66	1966-67	1967-68	1968-69	1969-70
4	8	7	13	18	47

Heroin breakdown: 1969-70

White	Negro	Under 21	21 25	26 30	31 35	36 40	41 45	46 50	Over 50	Male-Fem
30	17	6	12	6	8	8	4	3	0	39 8

These figures relate to lethal levels of the drugs only.

They do not reflect all drug oriented deaths where the cause of death may be traumatic and the deceased was under the influence of drugs at the time of injury.

*Barbiturate figures also include the deaths due to the combination of barbiturate and alcohol.

[illegible]

SECRET

MODIFIED STATES OF MATTER

[illegible]

100-443887-100

1001 00-1001 00-1001 00-1001 00-1001 00-1001

Heroin produced 100-10

[illegible]

100-443887-100

100-443887-100

FOR OFFICIAL USE ONLY

...and the ...

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...the

VEHICULAR DEATHS

TOTAL: 112

	Mltpl Veh	Sgl Veh	Non-Motor vehicles	Location						
				Inter-section	Mid-block	G.G. Bridge	Bay Bridge	Free-way	Outside S.F.*	Non-Traffic
July	5	8	0	2	6	0	1	0	1	2
Aug	5	7	0	5	6	0	0	1	0	0
Sept	3	4	0	3	3	0	0	0	1	0
Oct	5	5	0	5	1	0	0	2	2	0
Nov	2	12	0	7	4	0	0	2	1	0
Dec	2	8	0	5	3	0	0	2	0	0
Jan	4	3	0	5	1	0	0	0	1	0
Feb	4	4	1	4	3	0	0	2	0	0
Mar	1	8	0	3	4	0	0	1	0	0
Apr	2	4	0	2	0	0	0	1	1	0
May	3	5	0	2	2	0	0	1	1	0
June	5	3	0	7	1	0	0	0	0	0

*Injured person moved to S.F. for treatment and died here.

INTOXICANTS & VEHICULAR DEATHS

Alcohol			Barb			Sex		Position of deceased		
Pos	Neg	Elim**	Pos	Neg	Elim	M	F	Ped	Passenger	Driver
19	48	45	2	64	46	70	42	52	44	16

** The person was hospitalized long enough that any toxic agent, if present, would have been eliminated. It should be understood, therefore, that we cannot say from autopsy whether alcohol or drugs was or was not involved in these cases.

AGES IN VEHICULAR DEATHS

Age	20-29		30-39		40-49		50-59		60-69		Over 70
Under 20											
17		17		10		17		12		11	28

Note: All above information relates to deceased person and does not reflect circumstances of other persons involved.

[illegible]

Month	Year	1	2	3	4	5	6	7	8	9	10	11	12
Jan	1901	1	2	3	4	5	6	7	8	9	10	11	12
Feb	1901	1	2	3	4	5	6	7	8	9	10	11	12
Mar	1901	1	2	3	4	5	6	7	8	9	10	11	12
Apr	1901	1	2	3	4	5	6	7	8	9	10	11	12
May	1901	1	2	3	4	5	6	7	8	9	10	11	12
Jun	1901	1	2	3	4	5	6	7	8	9	10	11	12
Jul	1901	1	2	3	4	5	6	7	8	9	10	11	12
Aug	1901	1	2	3	4	5	6	7	8	9	10	11	12
Sep	1901	1	2	3	4	5	6	7	8	9	10	11	12
Oct	1901	1	2	3	4	5	6	7	8	9	10	11	12
Nov	1901	1	2	3	4	5	6	7	8	9	10	11	12
Dec	1901	1	2	3	4	5	6	7	8	9	10	11	12

...and he had been identified as a ... of the ...

DAVID R. BAUMANN & STANLEY M. ...

Box 5000
Post Office of New York
New York, N.Y. 10001

on west of the ... in these cases ... from autopsy whether ... It should be understood ... the ... and ...

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over information received from persons and to circumstances of other persons involved.

ACCIDENTS AT HOME: 199 TOTAL

	SEX		RACE		Pos	ALCOHOL		Pos	BARB		
	Male	Female	White	Non-White		Neg	Elim		Neg	Elim	
ASPHYXIA:											
Food bolus	1	3	3	1	4	1			4		
Infants	1			1					1		
Others	4	4	7	1	5	3			8		
BURNS	25	23	38	10	6	24	18		30	18	
FALLS	44	48	83	9	12	27	53		34	58	
FIREARMS											
TOXIC POISONING	20	5	18	7	11	14		7	15	3	Alkaloid of morphine: 17
CARBON MONOXIDE	6	5	2	9	5	6					Barb or (Drano: 1 Barb & Alcohol: 7
MISC.	8	2	7	3	2	8			10		Auto Gas Appl. 5 6

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ACCIDENTS AWAY FROM HOME

TOTAL: 147

	Sex		Race		Alcohol		Barb			
	Male	Female	White	Non-white	Pos.	Neg.	Elim	Pos.		Neg.
ASPHYXIA:										
Food bolus	7	4	9	2	8	3	-	-	-	
Infants										
Others	4	2	6		2	4			6	
BURNS	4	2	4	2	1	4	1			
FALLS	51	24	66	9	9	19	47	1	25	49
FIREARMS										
TOXIC POISONING	26	6	18	14	15	14	3	2	30	
CARBON MONOXIDE										
MISC.	12	7	15	4	5	11	3	1	17	1

INDUSTRIAL ACCIDENTS: 19 TOTAL

APPROXIMATION	SEX		ALCOHOL		BARB		Description
	M	F	Pos	Neg	Pos	Neg	
BURNS							Flame Chemical
	3			3		3	
CRUSHING	1						Crane Material being loaded Fixed Machinery Other
STRUCK BY OBJECT	2			2		2	Elevator Bldg Material falling Moving part Fixed Mach. Auto tire 1 Falling Tree 1
FALLS	13			13		13	One level to another Scaffold Ladder Window Same level Ground: 1
MISC.							Other: 2 4 5 1 Boiler Explosion

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1. The first group of people who are interested in the study of the history of the world are the historians. They are the people who write the books that tell us about the past. They are the people who try to understand what happened in the past and why it happened. They are the people who try to find out what the world was like in the past and what it is like now. They are the people who try to tell us about the world and its history.

5

10

1893

100

25

H O M I C I D E

AVER. AGE	SEX		RACE		ALCOHOL		OTHER		BLUNT		CUTTING		FIREARMS		STRANGULATION		OTHERS	
	M	F	WHITE	NON-WHITE	POS	NEG	ELIM	DRUGS	TRAUMA	STABBING								
35	108	21	79	50	46	46	37	10	31	29	61	3	5					

MOTIVE:

During or following an argument by:

Spouse Relative Non-relative Unknown to dec.

Robbery

Positive Unknown

By Police 28 Citizen

7	1	34	16	21	36	4	7
---	---	----	----	----	----	---	---

By Month

JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE
12	11	8	11	10	9	15	13	10	12	9	9

Comparison by Years

1964-65	1965-66	1966-67	1967-68	1968-69	1969-70
55	59	79	93	141	129

Homicide is the killing of one human being by another. The above tables reflect all homicides and are not restricted to murders which is the unlawful killing of a human being, with malice.

[Faint, illegible vertical text]

RECEIVED
FEB 1968
FOR INFORMATION
MAY 1968
OF 1500
COST 1500

CHARTER NOTIFICATION

S U I C I D E S

1969-70

TOTAL: 281

BY MONTH:

Method	1969						1970						Total
	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	
Asphyxia	3	6	1	2	5	2	4	4	5	3	6	4	45
Cutting or Stabbing	0	0	0	0	0	0	1	0	1	0	1	0	3
Firearms	6	3	5	3	1	7	2	2	3	3	3	3	41
Jumping	4	1	0	5	3	1	2	7	3	3	9	2	40
Poisoning	15	10	9	12	13	23	16	8	15	8	6	12	147
Misc.					1	1		1		1		1	5

Male:	171	White:	250	Alcohol present:	96
Female:	110	Negro:	8		
		Oriental:	23		

COMPARISON BY YEARS

Method	1964-65	1965-66	1966-67	1967-68	1968-69	1969-70
Hand Guns	21	15	35	27	50	33
G.G. Bridge	15	16	9	23	10	14
Barbiturate	71	84	87	106	102	114
Alcohol present	31	27	26	27	66	96
Total by years	199	233	234	237	246	281

TOXICOLOGY

CASES TESTED FOR ALCOHOL: 2495

Positive..... 549
Negative..... 1946

CASES TESTED FOR BARBITURATE: 2517

Positive:..... 192
Negative..... 2325

INCIDENCE OF VARIOUS DRUGS OR POISONS FOUND SINGLY OR IN COMBINATION

(These are not necessarily the cause of death or even a contributing cause. This table merely reflects toxic agents present in the body to any degree)

Secobarbital	46	SALICYLATE	10
Pentobarbital	25	Carbon Monoxide	27
Tuinal	25	Paraldehyde	2
Amobarbital	7	Nicotine (Black Flag)	1
Phenobarbital	52	Arsenic	1
Alkaloid of		Cyanide	1
morphine group	60		
Amphetamine	2	Methapyrilene	4
Aminophylline	1	Meprobamate	5
Butane	1	Methadone	1
Codeine	6	Methyl Alcohol	1
Caffeine	1	Noludar	1
Darvon	11	Numorphan	1
Digitoxin	1	Phenylbutazone	1
Doriden	2	Phenmetrazine	2
Demerol	1	Placidyl	1
Ephedrine	1	Salicylamide	2
Isopropyl Alcohol	1	Thorazine	1
Librium	5	Triavil	1
Metamphetamine	1	Valium	1

*This figure does not represent separate cases.
Any one case may have more than 1 drug or poison.

UNIT COSTSTOTAL BUDGET: \$401508ADMINISTRATION:

1 Coroner			
Unit Cost	(4002 cases)	31464	\$ <u>7.83 per case</u>

INVESTIGATION

Including removal, transportation and care of bodies

1 Asst. Coroner, Adm.	13017
5 Deputy Coroners	58812
5 Coroner's ambulance drivers	49784
Overtime	1600
Holidays	3722
Vacation relief	5726
Maintenance of autos	1076
Maintenance of stretchers	75
Telephone Directory Service	135
Tires and tubes	128
Gasoline	823
Laundry	643
Cleaning equipment & supplies	214
Sheets	<u>605</u>

Total	136360	
for 4002 cases investigated		\$ <u>34.07 per case</u>

CLERICAL:

1 Estate investigator	8976
1 Medical Clerk stenographer	7755
1 Senior clerk typist	8063
3 Med. Transc. typists	21416
Holidays	1898
Vacation relief	1264
Maint. & repair office equip	229
Postage	500
Stationery & stationery	2015
Withdrawals	<u> </u>

Total	52116	\$ <u>13.02 per case</u>
-------	-------	--------------------------

SCIENTIFIC:

Autopsy (2517 cases autopsied)	
3 Physician Specialists,	
part-time	52812
3- $\frac{1}{2}$ morgue attendants	28238
Vacation relief	4637
Holidays	<u>559</u>

Total	86246	\$ <u>34.26 per autopsy</u>
-------	-------	-----------------------------

Includes all appearances in court and grand jury and consultations with Dist. Attorney and Homicide Inspectors before court appearances.

UNIT COSTS

TOXICOLOGY: (2516 cases referred)

1 Toxicologist, part-time	15597
1 Asst Toxicologist	13068
Vacation relief	2904
1/2 Maint. of lab. equip	230
Toxicology supplies	<u>1370</u>

Total	\$ 33169	\$ <u>13.21 per case</u>
-------	----------	--------------------------

For 10,977 individual tests for alcohol, barbiturate, narcotic, etc., includes all appearances in court and grand jury and consultation with District Attorney and Homicide Inspectors before court appearances

PATHOLOGY: (1343 cases referred) 18045

1 Pathologist, part-time	18045
2 Technicians	22764
Holidays	352
Vacation relief	1858
1/2 Maintenance of lab.	230
Pathology supplies	<u>2900</u>

	\$ 46149	\$ <u>34.36 per case</u>
--	----------	--------------------------

For 7,144 tests of tissues, body fluids for both microscopic and including laboratory study. Includes all appearances in court and grand jury and consultation with District Attorney and Homicide Inspectors before court appearances.

LEGAL:

1 Court reporter, part-time	7294
Vacation relief (reporters)	<u>360</u>

Total	\$ 7654	\$ <u>46.66 per inquest</u>
-------	---------	-----------------------------

For 164 inquests

The Work Chart shows the functioning organization of the Coroner's Office for operation on a 24 hour per day, 7 day per week schedule. On the following pages are the approximation of the unit work load, calculated on the basis of fiscal year 1969-1970.

TOTAL BUDGET - July 1, 1969 to June 30, 1970 \$401508

Population: 705,000

Cost per capita: 56¢

In evaluating cost per capita, note should be taken that cost of investigation, ambulance service, morgue facilities, janitorial services, burial of indigent peace time veterans, etc., are provided in the budget. Many jurisdictions having seemingly lower costs may be found to have these services provided by other agencies as police, county hospitals, works department, etc., but no less a public expense even if not showing in the Coroner's budget. Further allowance should be made for relative standards of practice as reflected in the number of autopsies performed in relation to the total deaths in the community.

The increase in the intensity of activities of the Coroner's staff is not truly reflected by the number of deaths investigated. There has been a steady increase in violent deaths from 725 in fiscal year 1967-1968 to 829 in 1968-1969, and up to 936 in 1969-1970. The intensity and depth of investigations required in violent deaths far exceeds natural deaths.

San Francisco Coroner

A N N U A L R E P O R T

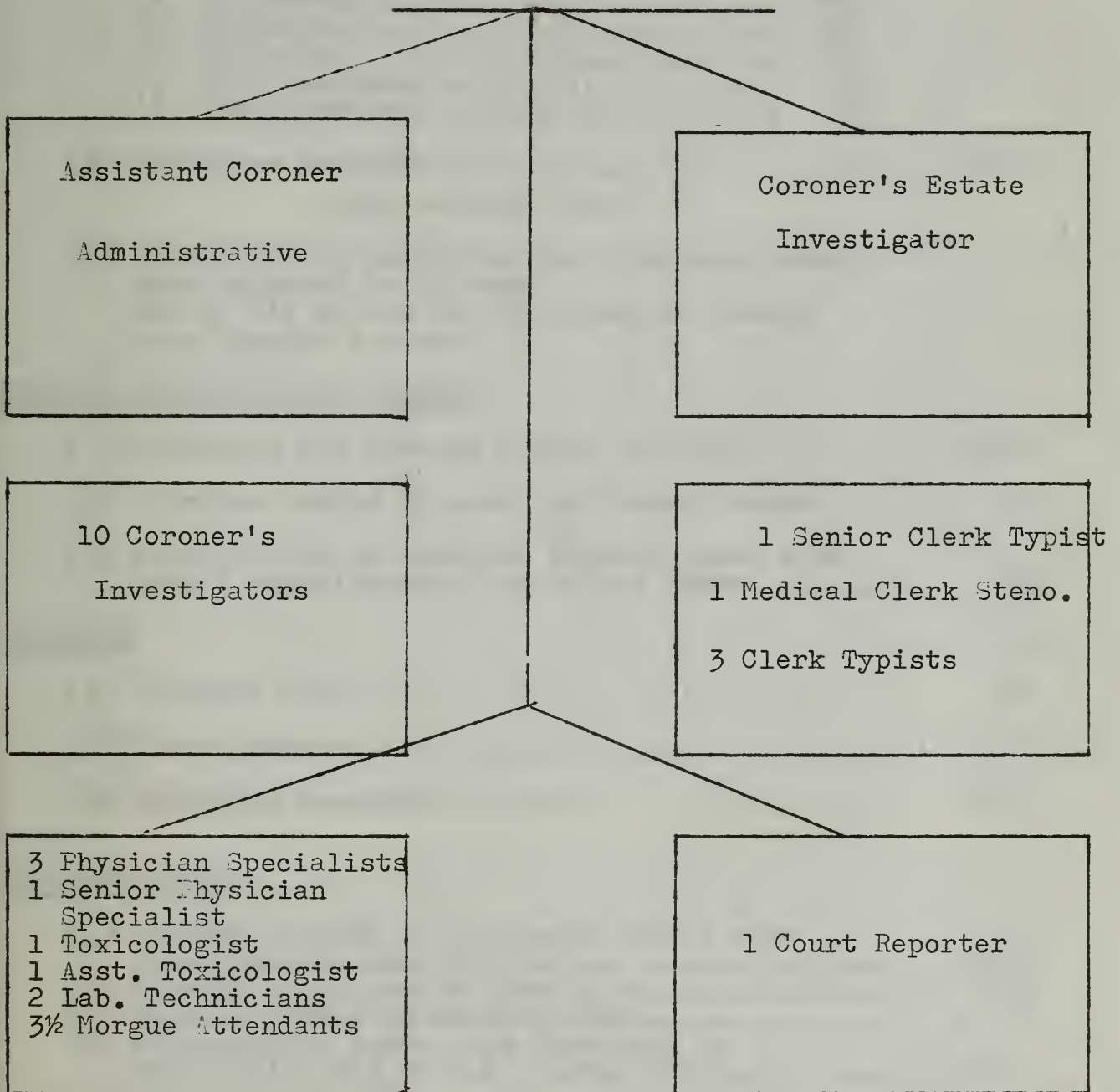
CORONER'S OFFICE

July 1, 1970 - June 30, 1971

HENRY W. TURKEL, M.D.

Coroner, City and County
of San Francisco
7th and Bryant Streets
San Francisco, California
94103

C O R O N E R
HENRY W. TURKEL, M.D.



FISCAL YEAR 1970 - 1971

TOTAL DEATHS REPORTED TO CORONER.....	4154
TOTAL DEATHS IN COUNTY.....	9502
CORONER'S AUTOPSIES.....	2573
PERCENT OF ALL DEATHS HAVING CORONER'S AUTOPSY.....	27%

- | | |
|--|------|
| (1) Cases, reported, investigated and cleared
by Coroner for physicians' signature..... | 1582 |
| (2) Cases accepted by Coroner..... | 2573 |
| (a) Natural deaths..... | 1642 |
| (b) Accidents..... | 475 |
| (c) Suicides..... | 263 |
| (d) Homicides | 107 |
| (e) Mode equivocal..... | 76 |
| (f) Cause unknown..... | 10 |
| (3) Autopsies performed..... | 2573 |
| (100% autopsy rate) | |
| (4) 43.71% of all deaths in San Francisco County
were reported to Coroner
27% of all deaths in San Francisco County
were Coroner's cases. | |

BURIALS AUTHORIZED BY CORONER

- | | |
|---|-----|
| (1) Indigents and fetuses buried by City..... | 183 |
| (2) Veterans buried by rotation funeral homes..... | 35 |
| (3) Cases buried by rotation funeral homes with
Public Administrator controlled funds..... | 37 |

INQUESTS

- | | |
|-----------------------------|-----|
| (1) Inquests held.....; | 78 |
| (2) Jurors summoned..... | 6 |
| (3) Witnesses summoned..... | 312 |

IDENTIFICATION

- | | |
|---|------|
| (1) Persons brought to Coroner's Office with
insufficient identification..... | 220 |
| (2) Persons subsequently identified..... | 216 |
| (3) Persons buried as unidentified..... | 4 |
| (4) Fingerprints taken and forwarded to
FBI, Calif. CII or S.F. Police Dept..... | 2276 |

ACTIVITY

1. The Autopsy Department is staffed by 3 pathologists (physician specialists who work part-time. They performed 2573 autopsies during the fiscal year. They dictated approximately 5500 pages of autopsy protocol. Autopsies are performed 7 days a week. The autopsy surgeons are assisted by 3 full-time and 1 part-time morgue attendants who also prepare and deliver the bodies to the morticians and maintain the premises of the autopsy department. These 3 pathologists (physician specialists) made approximately 300 appearances in Court and before the Grand Jury as part of their duties. They also held approximately 500 consultations with assistant district attorneys and homicide investigators.

The Pathology Department has 1 senior physician specialist and two technicians. There were 1236 cases referred to this department. There were 6739 microscope slides made and examined from some 2198 portions of various human organs. 2587 paraffin blocks were made and 626 special stains were used in the microscopic examination. Approximately 1392 pages of medical finds were submitted.

The Toxicology Department has 1 part-time toxicologist and 1 full-time assistant toxicologist. There were 2569 cases referred to this department and 12,307 individual tests performed.

2. Investigative. We have one Assistant Coroner, Administrative, and 10 Coroners Investigators. Approximately 5000 trips by the Coroners Investigators were made to scenes of death, residences of victims or to interview witnesses. 2573 Coroner's Register pages were completed by these investigators and a history of the circumstances surrounding each death was typed in narrative form on each page. 1582 additional deaths were reported to the investigators and, after, investigation, were found suitable for certification by the family physician rather than by the Coroner. In each case so cleared by the investigators, a brief medical history and circumstances of death are dictated into a permanent record so that questions later arising can be suitably answered.
3. Legal. There is 1 Certified Court Reporter on a part-time basis. The transcribing of testimony of witnesses at inquests and the sale of the transcripts is in accord with the provisions of the Government Code of Counties.
4. Clerical. 1 Medical Clerk Stenographer, 1 Senior Clerk and 3 Medical Transcriber Typists prepared approximately 2600 letters to families or agencies to notify them of deaths or to locate relatives. They typed 2573 histories, approximately 5500 pages of autopsy protocol, waited on 14,500 business office visitors and received or made 45,000 telephone calls. One Coroner's Estate Investigator has the responsibility to verify the inventory of the deceased's personal property, deposit all cash and distribute this property to the rightful recipients as outlined in the Probate Code. This includes the handling and interpretation of wills, letters, etc.

DEFINITION OF TERMS USED

ALKALOID OF MORPHINE GROUP	The substance identified following an injection of morphine, heroin, etc.
ELIM. (ELIMINATED)	Indicates deceased lived long enough after injury to have eliminated all toxic agents from his body.
MODE OF DEATH	Indicates the manner of death, such as natural, accident, suicide or homicide, and is to be distinguished from cause of death which is purely a medical determination.
MULTIPLE VEHICLE	More than one vehicle involved.
SINGLE VEHICLE	Vehicle struck pole, wall, divider, etc., without the influence of another vehicle.
NON-TRAFFIC	Accident occurred off the street in driveway, garage, etc.
MODE UNKNOWN	Circumstances totally unknown as when only bones are found or when no medical cause of death is deter- mined, or when it cannot be said whether natural or accident as when an elderly person dies sometime after a fractured hip.
MODE EQUIVOCAL	As, for example, when it cannot be decided whether death was suicide or accident or, for example, accident versus homicide.

MONTHLY FIGURES

PATHOLOGY

TOXICOLOGY

<u>1970</u>	<u>TOTAL CASES</u>	<u>CASES REFERRED TO PATH- OLOGIST</u>	<u>INDIVIDUAL SPECIMENS EXAMINED</u>	<u>CASES REFERRED TO TOXICOLOGIST</u>	<u>SEPARATE TESTS PERFORMED</u>
JULY	213	110	532	206	1071
AUG	221	114	730	220	1153
SEPT	193	96	566	191	1009
OCT	217	96	409	215	1180
NOV	231	96	560	236	1098
DEC	253	137	676	255	1140
<u>1971</u>					
JAN	220	104	587	211	791
FEB	194	98	561	185	962
MAR	221	92	515	239	975
APR	217	96	519	216	1152
MAY	199	101	581	177	884
JUN	194	96	503	218	892
TOTALS	2573	1236	6739	2569	12307

MODE OF DEATH BY MONTH

	1970						1971						Total
	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	
Natural deaths	158	133	114	141	156	159	148	117	161	131	120	137	1642
Accidents:													
Motor vehicle	7	5	12	5	7	15	14	7	2	11	6	4	105
At home	19	30	14	15	17	24	16	22	23	18	18	19	235
Away from home	10	8	9	14	10	14	8	9	6	9	8	8	118
Industrial	3	0	4	2	5	1	0	0	0	1	1	0	17
Suicides	20	28	24	22	19	24	16	15	19	29	31	16	263
Homicides	5	11	5	12	10	10	11	13	5	11	8	6	107
Cause Unknown	2	1	2	0	0	2	1	1	1	0	0	0	10
Mode Equivocal	7	5	9	6	7	4	6	10	5	6	7	4	76

COMPARISONS BY YEAR

	1964-65	1965-66	1966-67	1967-68	1968-69	1969-70	1970-71
Accidents							
Motor Vehicle	104	114	99	102	129	112	105
Non-vehicular	249	245	244	256	286	365	370
Suicides	199	233	234	237	246	281	263
Homicides	55	59	79	83	141	129	107

VIOLENT DEATHS

There were 2573 Coroner's cases brought to the Coroner's Office and autopsied.

Of these, 902 cases were determined to be violent.

	<u>Total Number</u>	<u>% of Violent Deaths</u>	<u>% of Total Coroner's Cases</u>
ACCIDENTS	475	52.6	18.4
SUICIDES	263	29.0	10.2
HOMICIDES	107	10.8	4.2
OTHER VIOLENT DEATHS, MODE EQUIVOCAL*	57	6.3	2.2

* There was violence in relation to the death. It can be said that the death was not a natural death; however, whether accident, suicide or homicide could not be ascertained.

Total deaths in S. F. County: 9502

	<u>% of total deaths in SF</u>
Accidents	4.9
Suicides	2.7
Homicides	1.1
equivocal	.59

ABUSE DRUGS

*Accidental overdose of barbiturate: 9

Accidental overdose of heroin 63

Cases where a level of heroin was found: 80
(Includes naturals, accidents, homicides and suicides)

Barbiturate breakdown:

White	Negro	Under 21	21-25	26-30	31-35	36-40	41-45	46-50	Over 50	Male	Female
5	4	3	2	0	1	0	1	0	2	4	5

Seven-year comparison of heroin deaths:

1964-65	1965-66	1966-67	1967-68	1968-69	1969-70	1970-71
4	8	7	13	18	47	63

Heroin breakdown: 1970-71

White	Negro	Under 21	21-25	26-30	31-35	36-40	41-45	46-50	Over 50	Male	Female
37	26	4	17	4	14	8	10	4	2	53	10

These figures relate to lethal levels of the drugs only.

They do not reflect all drug oriented deaths where the cause of death may be traumatic and the deceased was under the influence of drugs at the time of injury.

VEHICULAR DEATHS

TOTAL: 105

	Mltp Veh	Sgl Veh	Non-Motor vehicles	Location						
				Inter- section	Mid- block	G.G. Bridge	Bay Bridge	Free-Outside way S.F.*	Non Traf.	
July	12	4	1	2	4	10	0	0	0	0
Aug	2	3	0	2	3	0	0	0	0	0
Sept	2	7	3	3	6	0	0	1	0	0
Oct	4	1	0	5	0	0	0	0	0	0
Nov	2	5	0	2	2	1	0	1	1	1
Dec	8	7	0	8	4	0	0	2	1	0
Jan	5	8	1	3	4	0	1	1	0	0
Feb	3	4	0	4	3	0	0	0	0	0
Mar	1	1	0	1	1	0	0	0	0	0
Apr	3	8	0	0	6	0	1	3	1	0
May	3	3	0	4	2	0	0	0	0	0
June	1	3	0	0	3	0	1	0	0	0

*Injured person moved to S.F. for treatment and died here.

INTOXICANTS & VEHICULAR DEATHS

Alcohol			Barb			Sex		Position of deceased		
Pos	Neg	Elim**	Pos	Neg	Elim	Male	Female	Ped	Passenger	Driver
20	26	29	1	68	21	64	41	38	32	35

**The person was hospitalized long enough that any toxic agent, if present, would have been eliminated. It should be understood, therefore, that we cannot say from autopsy whether alcohol or drugs was or was not involved in these cases.

AGES IN VEHICULAR DEATHS

Age	Under 20	20-29	30-39	40-49	50-59	60-69	Over 70
	20	22	8	8	12	15	20

Note: All above information relates to deceased person and does not reflect circumstances of other persons involved.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100
101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120
121	122	123	124	125	126	127	128	129	130
131	132	133	134	135	136	137	138	139	140
141	142	143	144	145	146	147	148	149	150
151	152	153	154	155	156	157	158	159	160
161	162	163	164	165	166	167	168	169	170
171	172	173	174	175	176	177	178	179	180
181	182	183	184	185	186	187	188	189	190
191	192	193	194	195	196	197	198	199	200
201	202	203	204	205	206	207	208	209	210
211	212	213	214	215	216	217	218	219	220
221	222	223	224	225	226	227	228	229	230
231	232	233	234	235	236	237	238	239	240
241	242	243	244	245	246	247	248	249	250
251	252	253	254	255	256	257	258	259	260
261	262	263	264	265	266	267	268	269	270
271	272	273	274	275	276	277	278	279	280
281	282	283	284	285	286	287	288	289	290
291	292	293	294	295	296	297	298	299	300
301	302	303	304	305	306	307	308	309	310
311	312	313	314	315	316	317	318	319	320
321	322	323	324	325	326	327	328	329	330
331	332	333	334	335	336	337	338	339	340
341	342	343	344	345	346	347	348	349	350
351	352	353	354	355	356	357	358	359	360
361	362	363	364	365	366	367	368	369	370
371	372	373	374	375	376	377	378	379	380
381	382	383	384	385	386	387	388	389	390
391	392	393	394	395	396	397	398	399	400
401	402	403	404	405	406	407	408	409	410
411	412	413	414	415	416	417	418	419	420
421	422	423	424	425	426	427	428	429	430
431	432	433	434	435	436	437	438	439	440
441	442	443	444	445	446	447	448	449	450
451	452	453	454	455	456	457	458	459	460
461	462	463	464	465	466	467	468	469	470
471	472	473	474	475	476	477	478	479	480
481	482	483	484	485	486	487	488	489	490
491	492	493	494	495	496	497	498	499	500
501	502	503	504	505	506	507	508	509	510
511	512	513	514	515	516	517	518	519	520
521	522	523	524	525	526	527	528	529	530
531	532	533	534	535	536	537	538	539	540
541	542	543	544	545	546	547	548	549	550
551	552	553	554	555	556	557	558	559	560
561	562	563	564	565	566	567	568	569	570
571	572	573	574	575	576	577	578	579	580
581	582	583	584	585	586	587	588	589	590
591	592	593	594	595	596	597	598	599	600
601	602	603	604	605	606	607	608	609	610
611	612	613	614	615	616	617	618	619	620
621	622	623	624	625	626	627	628	629	630
631	632	633	634	635	636	637	638	639	640
641	642	643	644	645	646	647	648	649	650
651	652	653	654	655	656	657	658	659	660
661	662	663	664	665	666	667	668	669	670
671	672	673	674	675	676	677	678	679	680
681	682	683	684	685	686	687	688	689	690
691	692	693	694	695	696	697	698	699	700
701	702	703	704	705	706	707	708	709	710
711	712	713	714	715	716	717	718	719	720
721	722	723	724	725	726	727	728	729	730
731	732	733	734	735	736	737	738	739	740
741	742	743	744	745	746	747	748	749	750
751	752	753	754	755	756	757	758	759	760
761	762	763	764	765	766	767	768	769	770
771	772	773	774	775	776	777	778	779	780
781	782	783	784	785	786	787	788	789	790
791	792	793	794	795	796	797	798	799	800
801	802	803	804	805	806	807	808	809	810
811	812	813	814	815	816	817	818	819	820
821	822	823	824	825	826	827	828	829	830
831	832	833	834	835	836	837	838	839	840
841	842	843	844	845	846	847	848	849	850
851	852	853	854	855	856	857	858	859	860
861	862	863	864	865	866	867	868	869	870
871	872	873	874	875	876	877	878	879	880
881	882	883	884	885	886	887	888	889	890
891	892	893	894	895	896	897	898	899	900
901	902	903	904	905	906	907	908	909	910
911	912	913	914	915	916	917	918	919	920
921	922	923	924	925	926	927	928	929	930
931	932	933	934	935	936	937	938	939	940
941	942	943	944	945	946	947	948	949	950
951	952	953	954	955	956	957	958	959	960
961	962	963	964	965	966	967	968	969	970
971	972	973	974	975	976	977	978	979	980
981	982	983	984	985	986	987	988	989	990
991	992	993	994	995	996	997	998	999	1000

##

ACCIDENTS AT HOME: 234 TOTAL

	SEX		RACE		ALCOHOL		BARB		
	Male	Female	White	Non-white	Pos	Neg	Elim	Pos	
ASPHYXIA:									
Food bolus	3	0	3	0	3	0	0	3	0
Infants	2	2	1	Chinese 1	0	2	0	0	2
Others	7	7	2	2	3	11	0	1	13
BURNS	24	28	47	5	12	11	29	0	23
FALLS	57	42	91	8	16	28	55	3	33
TOXIC POISONING	35	12	30	17	22	25	0	8	39
									0
CARBON MONOXIDE	4	2	5	Negro 1	2	4	0	0	6
									0
MISC.	15	4	6	3	2	7	0	0	9
									0
<div> <div>1 Ferris Sulfate</div> <div>1 Elavil & Alc.</div> <div>2 Darvon</div> <div>1 Cocaine; 3 un-</div> <div>identified toxin;</div> <div>1 Drano; 2 Ethanol</div> <div>1 Furniture polish</div> <div>28 alkaloid of</div> <div>morphine; Barb. or</div> <div>Barb. & Alc. 7.</div> </div> <div> <div>Auto Gas Appl.</div> <div>4</div> <div>2</div> </div>									

ACCIDENTS AWAY FROM HOME

TOTAL: 157

	Sex		Race		Alcohol				Barb		
	Male	Female	White	Non-white	Pos.	Neg.	Elim.	Pos.	Neg.	Elim.	
ASPHYXIA:											
Food bolus	5	1	5	1	4	2	0	0	0	0	
Infants	0	0	0	0	0	0	0	0	0	0	
Others	0	0	0	0	0	0	0	0	0	0	
BURNS	3	1	3	1	0	1	3	0	1	3	Outside S.F. 1
FALLS	28	16	39	5	9	4	31	0	30	14 *	
FIREARMS	0	0	0	0	0	0	0	0	0	0	Handgun 0 Shoulder 0
TOXIC POISONING	30	8	24	14	17	20	1	5	32	1	Alkaloid of mor- phine group: 34 Barb: 1; Unknown toxic agent 2; Methadone-1; Penicil- lin-1; Methyl Bro- mide gas-1; Valium & alcohol-1.
CARBON MONOXIDE	1	1	2	0	0	2	0	0	2	0	Auto Gas Appl. 2
MISC.	11	7	17	1	5	13	0	0	16	2	

INDUSTRIAL ACCIDENTS: 18 TOTAL

	SEX		ALCOHOL		BARS				
	M	F	Pos.	Neg.	Elim.	Pos.			
ASPHYXIATION	4	0	1	3	0	0	4	0	Chest Compression 1 Carbon Monoxide Noxious Gas 3
BURNS	3	0	0	1	2	0	3	0	Flame 1 Chemical 2
CRUSHING	1	0	0	1	0	0	1	0	Crane Material being Fixed loaded Machinery Other Forklift - 1
STRUCK BY OBJECT	1	0	0	1	0	0	1	0	Elevator Bldg Material Falling Moving part Fixed Mach. 1 Auto tire Falling tree
FALLS	7	0	0	4	3	0	7	0	One level to another Scaffold Ladder Window 3 Other: 2 Same level- 0
MISC.	2	0	0	2	0	0	1	1	Paint Fumes 1 Electrocution 1

HOMICIDE: 107

AGE	VER.	SEX	RACE	ALCOHOL	OTHER	BLUNT	CUTTING	STRANG-						
Under 18	AGE	M	F	WHITE	NON-WHITE	POS. NEG. ELM.	DRUGS	TRAUMA	STABBING	FIREARMS	VIOLATION	OTHERS		
14	36	89	18	58	49	47	47	13	9	10	28	62	5	2

MOTIVE:

During or following an argument by: Robbery Motive Unknown Police or citizen

Spouse Relative Non-Relative Unknown to dec.

3	1	42	7	12	36	6
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By Month

1970						1971					
JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE
5	11	5	12	10	10	11	13	5	11	8	6

Comparison by Years

1964-65	1965-66	1966-67	1967-68	1968-69	1969-70	1970-71
55	59	79	83	141	129	107

Homicide is the killing of one human being by another. The above tables reflect all homicides and are not restricted to murders which is the unlawful killing of a human being, with malice.

The following table shows the results of the analysis of the data collected during the experiment. The data were collected from the following sources:

22	23	24	25	26	27	28	29	30
1000-1030	1030-1045	1045-1100	1100-1115	1115-1130	1130-1145	1145-1200	1200-1215	1215-1230

2000-1030 1030-1045

1	2	3	4	5	6	7	8	9
1000-1015	1015-1030	1030-1045	1045-1100	1100-1115	1115-1130	1130-1145	1145-1200	1200-1215

2000-1030 1030-1045

1	2	3	4	5	6	7	8	9
1000-1015	1015-1030	1030-1045	1045-1100	1100-1115	1115-1130	1130-1145	1145-1200	1200-1215

1	2	3	4	5	6	7	8	9
1000-1015	1015-1030	1030-1045	1045-1100	1100-1115	1115-1130	1130-1145	1145-1200	1200-1215

S U I C I D E S

1970 - 71

TOTAL: 263

BY MONTH:

Method	1970						1971						Total
	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	
Asphyxia	1	5	2	3	5	2	4	2	1	3	6	3	37
Cutting or Stabbing	1	0	0	0	0	1	0	0	0	0	0	p	2
Firearms	2	2	3	2	2	5	3	1	6	7	6	1	40
Jumping	7	10	6	4	3	5	3	3	2	5	6	4	58
Poisoning	6	10	13	13	8	9	5	8	10	12	12	8	114
Misc.	3	1	0	0	1	2	1	1	0	2	1	0	12

Male: 155 White? 240

Alcohol present: 71

Female: 108 Negro: 16

Oriental: 7

COMPARISON BY YEARS

Method	1964-65	1965-66	1966-67	1967-68	1968-69	1969-70	1970-71
Hand Guns	21	15	35	27	50	33	32
G.G. Bridge	15	16	9	23	10	14	20
Barbiturate	71	84	87	106	102	114	75
Alcohol pre- sent		31	27	26	27	66	96
	31	27	26	27	66	96	71
Total by years	199	233	234	237	246	281	263

REPORT

1917-18

1917-18

1917-18

Year	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2423	2424	2425	2426	2427	2428	2429	2430	2431	2432	2433	2434	2435	2436	2437	2438	2439	2440	2441	2442	2443	2444	2445	2446	2447	2448	2449	2450	2451	2452	2453	2454	2455	2456	2457	2458	2459	2460	2461	2462	2463	2464	2465	2466	2467	2468	2469	2470	2471	2472	2473	2474	2475	2476	2477	2478	2479	2480	2481	2482	2483	2484	2485	2486	2487	2488	2489	2490	2491	2492	2493	2494	2495	2496	2497	2498	2499	2500	2501	2502	2503	2504	2505	2506	2507	2508	2509	2510	2511	2512	2513	2514	2515	2516	2517	2518	2519	2520	2521	2522	2523	2524	2525	2526	2527	2528	2529	2530	2531	2532	2533	2534	2535	2536	2537	2538	2539	2540	2541	2542	2543	2544	2545	2546	2547	2548	2549	2550	2551	2552	2553	2554	2555	2556	2557	2558	2559	2560	2561	2562	2563	2564	2565	2566	2567	2568	2569	2570	2571	2572	2573	2574	2575	2576	2577	2578	2579	2580	2581	2582	2583	2584	2585	2586	2587	2588	2589	2590	2591	2592	2593	2594	2595	2596	2597	2598	2599	2600	2601	2602	2603	2604	2605	2606	2607	2608	2609	2610	2611	2612	2613	2614	2615	2616	2617	2618	2619	2620	2621	2622	2623	2624	2625	2626	2627	2628	2629	2630	2631	2632	2633	2634	2635	2636	2637	2638	2639	2640	2641	2642	2643	2644	2645	2646	2647	2648	2649	2650	2651	2652	2653	2654	2655	2656	2657	2658	2659	2660	2661	2662	2663	2664	2665	2666	2667	2668	2669	2670	2671	2672	2673	2674	2675	2676	2677	2678	2679	2680	2681	2682	2683	2684	2685	2686	2687	2688	2689	2690	2691	2692	2693	2694	2695	2696	2697	2698	2699	2700	2701	2702	2703	2704	2705	2706	2707	2708	2709	2710	2711	2712	2713	2714	2715	2716	2717	2718	2719	2720	2721	2722	2723	2724	2725	2726	2727	2728	2729	2730	2731	2732	2733	2734	2735	2736	2737	2738	2739	2740	2741	2742	2743	2744	2745	2746	2747	2748	2749	2750	2751	2752	2753	2754	2755	2756	2757	2758	2759	2760	2761	2762	2763	2764	2765	2766	2767	2768	2769	2770	2771	2772	2773	2774	2775	2776	2777	2778	2779	2780	2781	2782	2783	2784	2785	2786	2787	2788	2789	2790	2791	2792	2793	2794	2795	2796	2797	2798	2799	2800	2801	2802	2803	2804	2805	2806	2807	2808	2809	2810	2811	2812	2813	2814	2815	2816	2817	2818	2819	2820	2821	2822	2823	2824	2825	2826	2827	2828	2829	2830	2831	2832	2833	2834	2835	2836	2837	2838	2839	2840	2841	2842	2843	2844	2845	2846	2847	2848	2849	2850	2851	2852	2853	2854	2855	2856	2857	2858	2859	2860	2861	2862	2863	2864	2865	2866	2867	2868	2869	2870	2871	2872	2873	2874	2875	2876	2877	2878	2879	2880	2881	2882	2883	2884	2885	2886	2887	2888	2889	2890	2891	2892	2893	2894	2895	2896	2897	2898	2899	2900	2901	2902	2903	2904	2905	2906	2907	2908	2909	2910	2911	2912	2913	2914	2915	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TOXICOLOGY

CASES TESTED FOR ALCOHOL: 2553

Positive..... 551

Negative..... 2002

CASES TESTED FOR BARBITURATE: 2559

Positive..... 156

Negative..... 2403

INCIDENCE OF VARIOUS DRUGS OR POISONS FOUND SINGLY OR IN COMBINATION

(These are not necessarily the cause of death or even a contributing cause. This table merely reflects toxic agents present in the body to any degree)

Secobarbital	31	Librium	3
Pentobarbital	44	Iron	1
Tuinal	20	Salicylate	3
Amobarbital	4	Carbon Monoxide	22
Phenobarbital	57	Paraldehyde	5
Alkaloid of		Meprobamate	3
morphine group	80	Methaqualone	1
Amphetamine	3	Mellaril	5
Arsenic	2	Noludar	1
Bromide	1	Phenathiazine	1
Cocaine	2	Placidyl	2
Codeine	5	Quinidine	1
Darvon	12	Salicylamide	1
Dilaudid	1	Thorazine	1
Doriden	2	Valium	5
Elavil	7		
Ether	1		

These figures do not represent separate cases.
Any one case may have more than 1 drug or poison.

UNIT COST

TOTAL BUDGET: 436209ADMINISTRATION

1 Coroner			
Unit cost	(4154 cases)	31464	\$ <u>7.94 per case</u>

INVESTIGATION

Including removal, transportation and care of bodies

1 Asst. Coroner, Adm.	14342	
5 Deputy Coroners		
5 Coroner's ambulance drivers		
Overtime	3800	
Holidays	5914	
Vacation relief	6126	
Maintenance of autos	1829	
Maintenance of stretchers	40	
Telephone Directory Service	135	
Tires and Tubes	131	
Gasoline	880	
Laundry	748	
Cleaning equipment and supplies	233	
Sheets	659	
TOTAL	<u>150991</u>	
for 4154 cases investigated		\$ <u>36.32 per case</u>

CLERICAL:

1 Estate investigator	9438	
1 Medical Clerk stenographer	9190	
1 Senior clerk typist	8561	
3 Med. Transc. typists	21573	
Holidays	1954	
Vacation relief	1574	
Maint. & repair office equip.	254	
Postage	543	
Stationery and stationery	1650	
Withdrawals		
Total	<u>54737</u>	\$ <u>13.42 per case</u>

SCIENTIFIC:

Autopsy (2573 cases autopsied)		
3 Physicians Specialists,		
part-time	58476	
3-1/4 morgue attendants	29162	
Vacation relief	5178	
Holidays	584	
Total	<u>93400</u>	\$ <u>36.30 per autopsy</u>

Includes all appearances in court and grand jury and consultations with Dist. Attorney and Homicide Inspectors before court appearances.

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UNIT COSTS

TOXICOLOGY: (2573 cases referred)

1 Toxicologist, part-time	18117	
1 Asst. toxicologist	15196	
Vacation relief	3371	
1/2 Maint. of Lab. equip.	172	
Toxicology supplies	<u>1271</u>	
Total	\$ 38127	\$ <u>14.82 per case</u>

For 12307 individual tests for alcohol, barbiturate, narcotic, etc., includes all appearances in court and grand jury and consultation with District Attorney and Homicide Inspectors before court appearances

PATHOLOGY: (1236 cases referred)

1 Pathologist, part-time	19984	
2 Technicians	24024	
Holidays	520	
Vacation relief	1890	
1/2 Maintenance of Lab.	172	
Pathology supplies	<u>2839</u>	
Total	\$ 49429	\$ <u>39.99 per case</u>

For 6739 tests of tissues, body fluids for both microscopic and including laboratory study. Includes all appearances in court and grand jury and consultation with District Attorney and Homicide Inspectors before court appearances.

LEGAL:

1 Court reporter, part-time	7654	
Vacation relief (reporters)	<u>310</u>	
Total	\$ 7964	\$ 102.10 per inquest

for 78 inquests

A N N U A L R E P O R T

San Francisco
CORONER'S OFFICE

July 1, 1971 - June 30, 1972

DOCUMENTS

SEP 25 1972

SAN FRANCISCO
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BOYD G. STEPHENS, M.D.
Coroner
City and County of San
Francisco
Hall of Justice
Seventh and Bryant Streets
San Francisco, California 94103

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C O R O N E R

Assistant Coroner
Administrative

3 Physician
Specialists

1 Senior Physician
Specialist

1 Toxicologist

10 Coroner's
Investigators

1 Coroner's
Estate
Investigator

1 Senior Clerk
Typist

1 Medical Clerk
Stenographer

3 Medical
Transcriber
Typists

1 Assistant
Toxicologist

2 Medical
Technologists

3-1/4 Senior
Morgue
Attendants

1 Court
Reporter

DEFINITION OF TERMS USED

ALKALOID OF MORPHINE GROUP	The substance identified following an injection of morphine, heroin, etc.
ELIM. (ELIMINATED)	Indicates deceased lived long enough after injury to have eliminated all toxic agents from his body.
MODE OF DEATH	Indicates the manner of death, such as natural, accident, suicide or homicide, and is to be distinguished from cause of death which is purely a medical determination.
MULTIPLE VEHICLE	More than one vehicle involved.
SINGLE VEHICLE	Vehicle struck pole, wall, divider, etc. without the influence of another vehicle.
NON-TRAFFIC	Accident occurred off the street in driveway, garage, etc.
MODE UNKNOWN	Circumstances totally unknown as when only bones are found or when no medical cause of death is determined, or when it cannot be said whether natural or accident as when an elderly person dies some time after a fractured hip.
MODE EQUIVOCAL	As, for example, when it cannot be decided whether death was suicide or accident or, for example, accident versus homicide.

OFFICE OF THE CORONER

The Coroner is a county officer with offices behind the Hall of Justice. He is a physician with specialty training in anatomic, clinical and forensic pathology.

Any death reported to the coroner shall be subject to a preliminary inquiry which shall be properly recorded, after which the coroner will proceed with a full investigation if the circumstances warrant. If, from the preliminary investigation, the case does not prove to fall within the coroner's jurisdiction, he will so advise the physician in attendance. Cases falling under the coroner's jurisdiction will be fully investigated at the scene of death and, where warranted, undergo a complete forensic autopsy with toxicological examination. Accordingly, "reportable cases" are to be distinguished from "coroner's cases". While the duty to report certain cases continues, the decision on whether there shall be a full investigation rests with the coroner.

It is the legal duty of any person having knowledge thereof to report to the coroner any death which falls into the classes herein listed. This duty applies equally to physicians, hospital house officers, morticians, embalmers, ambulance attendants, police officers, nurses, as well as lay persons.

The coroner is legally obligated to show the cause of death and, when trauma or criminality is involved, the degree of extent of injuries. This information is then prepared and presented as expert medico-legal testimony for prosecution or defense in legal proceedings.

Deaths required by law to be reported to the Coroner:

1. Homicide
2. Suicide
3. Accident) (Whether the accident or injury is the pri-
4. Injury) mary cause or only contributory; whether
) the accident or injury occurred immediately
) or remotely to the death.)
5. Grounds to suspect that the death occurred in any degree from a criminal act.
6. No physician in attendance.
7. In the continued absence of the physician (not having seen the patient in the 10 days prior to death).
8. Physician unable to state the cause of death. (The physician must be genuinely unable and not merely unwilling.)
9. Poisoning (food, chemical, drug, therapeutic agents).

10. Occupational or industrial deaths.
11. All deaths in operating rooms.
12. All deaths where a patient has not fully recovered from an anesthetic, whether in surgery, recovery room or elsewhere.
13. All solitary deaths.
14. All deaths in which the patient is comatose throughout the period of the physician's attendance.
15. All deaths of unidentified persons.
16. It is suggested that patients under medical care less than 24 hours prior to death be reported to the coroner.

The Coroner's Office is divided into the following departments:

1. The Autopsy Department is staffed by three pathologists (board certified physicians) who work part time. Each is recognized as an expert in forensic pathology. They performed 2,441 autopsies during the fiscal year. Autopsies are performed twice a day, seven days a week. The autopsy surgeons are assisted by three full-time and one part-time morgue attendants who also prepare and deliver the bodies to the morticians and maintain the premises of the autopsy department. These pathologists made approximately 300 appearances in court and before the Grand Jury as part of their duties. They also held approximately 500 consultations with assistant district attorneys and homicide investigators.
2. The Pathology Department has one part-time senior pathologist and two full-time technologists. There were 1,233 cases referred to this department. There were 2,522 microscopic slides made from 6,662 portions of tissue from some 2,139 various organs. There were 612 special stains used in the microscopic examinations. 106 ABO, Rh_o blood groupings were done, as were 139 special chemical determinations.
3. The Toxicology Department has one part-time toxicologist and one full-time assistant toxicologist. There were 2,439 cases referred to this department and 12,235 individual tests performed.
4. Investigative Department There are ten coroner's investigators who staff the department in two-man crews 24 hours per day. Only one ambulance, with its two-man crew, is available each eight hour shift to investigate all reported deaths in the city. This crew responds to the scene of each reported death which potentially falls

within the coroner's jurisdiction. Last year, approximately 5,000 such trips were made. At each scene, these trained investigators reviewed the evidence, interviewed witnesses and searched the place of death for evidence of valuable property. 1,453 additional deaths were reported and, after an initial investigation, found suitable for certification by the family physician rather than falling under the jurisdiction of the coroner.

5. Legal Department There is one certified court reporter on a part-time basis. The transcribing of testimony of witnesses at inquests and the sale of the transcripts is in accord with the provisions of the Government Code of Counties.
6. Clerical Staff This department includes one medical clerk stenographer, one senior clerk and three medical transcriber typists. The Coroner's Estate Investigator has the responsibility of verifying the inventoried property of the deceased, determining the legal next of kin and to deposit all cash or distribute the property to the rightful recipients as outlined in the Probate Code. This includes the handling and interpretation of wills, letters, etc.

FISCAL YEAR 1971-72

Total deaths in County	9219
Total deaths reported to Coroner	3896
Cases reported, investigated and cleared by the coroner for physician's signature	1455
Coroner's Cases	2441
Percent of all deaths in San Francisco County reported to Coroner	42%
Percent of all County deaths having Coroner's autopsies	27%
Cases accepted by Coroner	2441
1. Natural deaths	1514
2. Accidents	465
3. Suicides	296
4. Homicides	110
5. Mode equivocal	43
6. Cause unknown	13
Autopsies performed	2441
Burials authorized by Coroner	257
1. Indigents and fetuses buried by City	179
2. Veterans buried by funeral homes on ro- tation basis	48
3. Cases buried by funeral homes on ro- tation basis with Public Administrator controlled funds	30
Inquests	
1. Inquests held	41
2. Jurors summoned	16
3. Witnesses summoned	205

Identification

1. Persons brought to Coroner's Office with insufficient identification	205
2. Persons subsequently identified by fingerprints, dental x-ray or other means	202
3. Persons buried as unidentified	3
4. Fingerprints taken and forwarded to F.B.I., California C.I.I. or S.F. Police Department	2392

ABUSE DRUGS

Barbiturates

Total number of barbiturate deaths 109

(Barbiturates were the sole cause of death or were in significant combination with other drugs.)

Barbiturate Breakdown

Under 21	21-25	26-30	31-35	36-40	41-45	46-50	Over 50	Male	Female
2	5	9	5	20	15	10	44	48	61

Heroin

Total number of heroin deaths 52

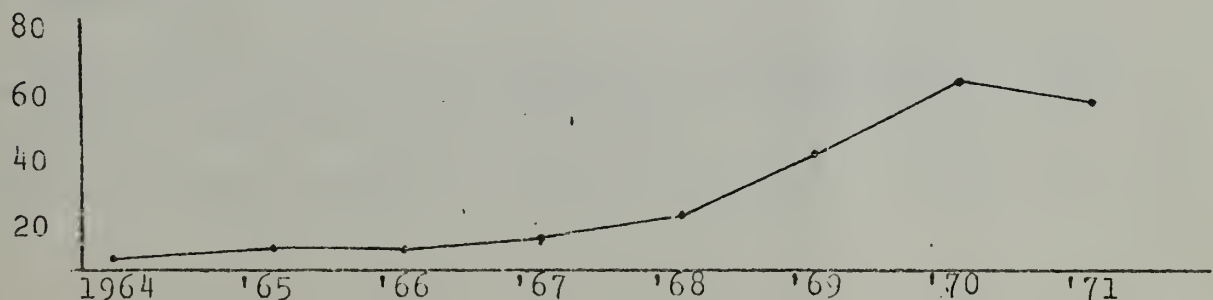
(These figures relate to lethal levels of heroin only. They do not reflect all drug-oriented and heroin deaths where the cause of death may be traumatic and the deceased was under the influence of drugs at the time of injury, e.g., heroin or its metabolic derivatives were found in 66 other patients but were not the direct cause of death.)

Heroin Breakdown

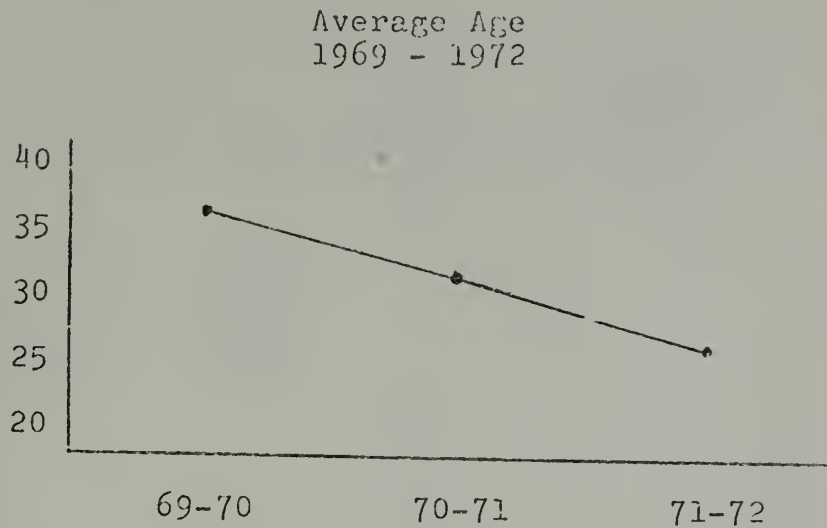
Under 21	21-25	26-30	31-35	36-40	41-45	46-50	Over 50	Male	Female
10	19	5	3	5	6	3	1	36	16

Caucasian: 36 Negro: 14 Other: 2

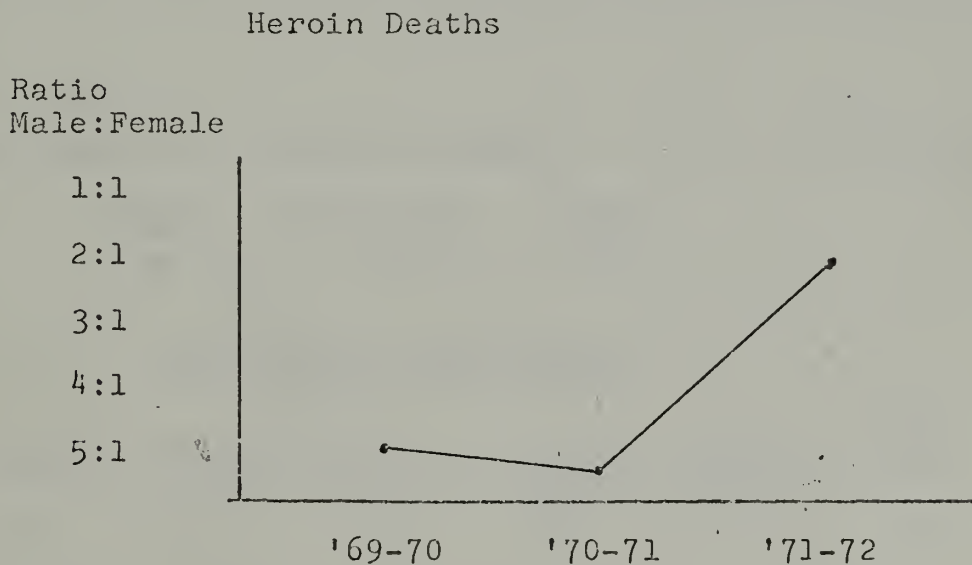
Eight year comparison of heroin deaths:



A significant trend over the past few years has been a steady lowering of the average age of heroin deaths. The average age of death this year was 28, -- last year, 34 -- two years ago, 38.



There has also been a steady increase in the number of female overdose victims.



Other Abuse Drugs

Deaths due to amphetamine continue to be uncommon. There were two deaths in which methadone was involved, one of which was directly due to the drug.

(See toxicology report for complete data)

VIOLENT DEATHS

There were 2441 cases brought to the Coroner's Office and autopsied. Of these cases, 914 were determined to be due to violence.

Mode	Total No.	% of Total Coroner's Cases	% of Total County Deaths (9219)
Accident	465	19.4	5.0
Motor Vehicle (113)			
At Home (204)			
Away from Home (135)			
Industrial (13)			
Suicide	296	12.1	3.2
Homicide	110	4.5	1.1
Other Violent Deaths or Mode Equivocal	43	1.7	.46

Accident - Vehicle

Total number of vehicular deaths 113

<u>Auto</u>	<u>Motorcycle</u>	<u>Other</u>
90	11	12

Ages in Vehicular Deaths

Under 20	20-29	30-39	40-49	50-59	60-69	Over 70
27	27	13	10	11	10	15

Intoxicants and Vehicular Deaths

<u>Alcohol</u>			<u>Barbiturate</u>			<u>Sex</u>		<u>Position of Deceased</u>		
Pos.	Neg.	Elim.*	Pos.	Neg.	Elim.*	Male	Female	Pedes.	Passen.	Driver
31	45	37	0	65	48	84	29	40	26	47

*Hospitalized long enough that any toxic agent, if present, would have been eliminated. Therefore, we cannot determine, at autopsy, whether alcohol or drugs was or was not involved.

Accident - At Home

Total number of accidents at home

204

	SEX		White	RACE Non-white	ALCOHOL			BARBITURATE		
	Male	Female			Pos.	Neg.	Elim.	Pos.	Neg.	Elim.
ASPHYXIA										
Food bolus	9	2	9	2	4	5	2	1	8	2
Infants	1	0	1	0	0	1	0	0	1	0
Other	1	1	1	1	1	1	0	0	2	0
BURNS	27	38	54	11	14	23	28	2	32	31
FALLS	29	34	53	10	7	13	43	2	18	43
DARVON MONOXIDE*	1	3	4	0	2	1	1	-	3	1
DISC.	4	1	5	0	2	3	0	0	5	0
TOXIC POISON**	38	12	42	8	27	23	0	14	36	0

Auto-2, Gas appliance-2

Heroin	18	Chloral hydrate	2
Valium	2	Darvon	6
Barbiturate	1	Thorazine	1
Methadone	1	Alkaloid of	
Baroquot	1	morphine group	2
Barbiturate		Cocaine	1
and alcohol	9	Elavil	2
		Unidentified	4

Accident - Away from Home

Total number of accidents away
from home

135*

	SEX		RACE		ALCOHOL			BARBITURATE		
	Male	Female	White	Non-white	Pos.	Neg.	Elim.	Pos.	Neg.	Elim.
ASPHYXIA										
Food bolus	5	2	5	2	5	2	0	0	7	0
Infant	0	1	0	1	0	1	0	0	1	0
Other	1	2	2	1	2	1	0	0	3	0
BURNS	6	4	7	3	1	3	6	0	5	5
FALLS	37	20	51	6	6	13	38	3	17	37
FIREARMS	3	0	2	1	3	0	0	0	3	0
POISON**	30	8	28	10	18	18	2	9	24	5
CARBON MONOXIDE***	1	0	0	1	1	0	0	0	1	0
W SC.	10	6	8	8	4	11	3	0	14	4

*Outside San Francisco County
Burns: 6

*Alkaloid of		Chloral hydrate	1
morphine group	23	Digitalis	1
barbiturate	9	Valium	1
alcohol	6	Amphetamine	1
barvon	4		

*Gas appliance-1, Auto-0

Accident Industrial

Total number of industrial accidents

13

	SEX		ALCOHOL			BARBITURATE		
	Male	Female	Pos.	Neg.	Elim.	Pos.	Neg.	Elim.
ASPHYXIATION*	1	0	0	1	0	0	1	0
BURNS	0	0	0	0	0	0	0	0
CRUSHING**	1	0	0	1	0	0	1	0
STRUCK BY OBJECT***	3	0	1	2	0	0	3	0
FALLS****	8	0	0	5	3	0	5	3
MISC.	0	0	0	0	0	0	0	0

*Chest compression

**Material being loaded

***Cargo-1, Hatch cover-1, Moving part of fixed machine-1

****One level to another

Scaffold-2

Ladder -3

Window -1

Same level-2

Suicide

Total number of suicides

296

Method	1971						1972						Total
	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	
Asphyxia	5	7	2	6	3	3	-	2	3	1	4	3	39
Cutting or stabbing	1	-	-	2	-	1	-	1	1	-	-	-	6
Firearms	3	3	3	2	5	5	4	4	5	3	5	3	45
Jumping	6	6	3	7	4	3	6	7	5	3	7	4	61
Poisoning	7	5	18	13	13	9	13	9	10	13	14	12	136
Misc.	-	-	1	1	2	1	-	1	-	-	1	3	9

Male:	165	White:	271	Alcohol Present:	104
Female:	131	Negro:	10		
		Oriental:	15		

Comparison by Years

Method	1965-66	'66-67	'67-68	'68-69	'69-70	'70-71	'71-72
Hand guns	15	35	27	50	33	32	38
G.G. Bridge	16	9	23	10	14	20	28
Barbiturate	84	87	106	102	114	75	74
Alcohol Present	27	26	27	66	96	71	104

Yearly Comparison
Total Number of Suicides

1965-66	1966-67	1967-68	1968-69	1969-70	1970-71	1971-72
233	234	237	246	281	263	296

Comparison by Years

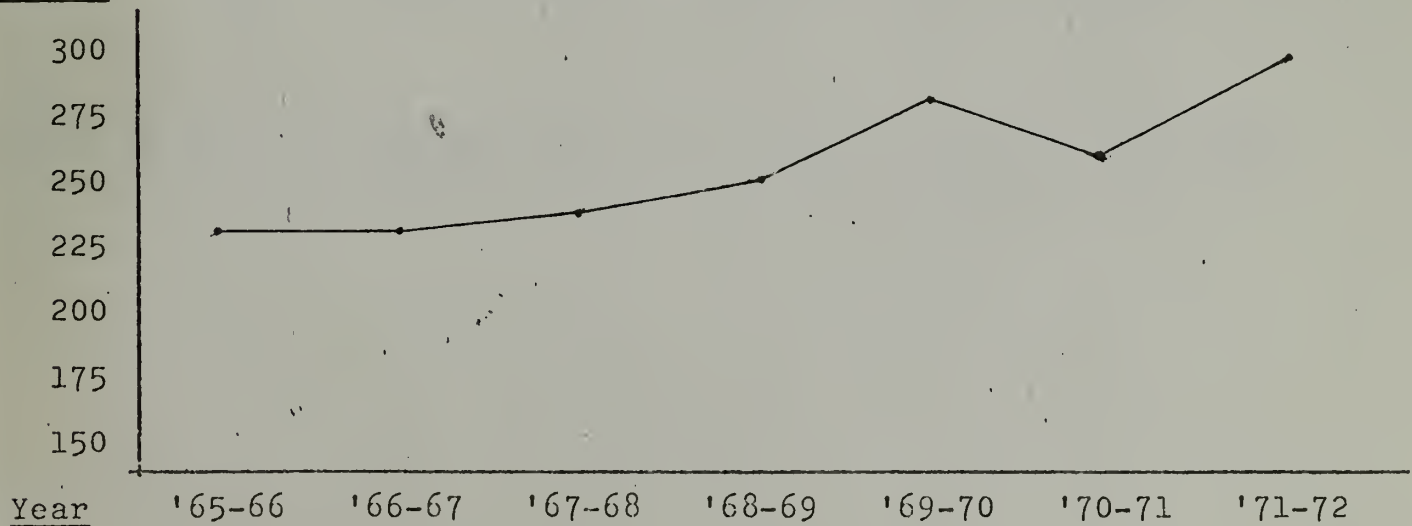
Hand Guns - G.G. Bridge - Barbiturate
Suicides

Number



Total Suicides by Year

Number



Homicide*

Total number of homicides

110

Homicide - Mechanism

Blunt Trauma	Cutting- Stabbing	Firearms	Strangulation	Other	Total
17	31	55	5	2	110

Homicide - Motive

During or following an argument with:

Spouse	Relative	Non- relative	Unknown to Deceased	Robbery	Police	Unknown
2	8	45	3	17	8	27

Homicide - Monthly Comparison

1971						1972					
July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
10	11	13	6	16	6	10	6	7	11	4	10

Comparison by Years

1965-66	1966-67	1967-68	1968-69	1969-70	1970-71	1971-72
59	79	83	141	129	107	110

*Homicide is the killing of one human being by another. The above tables reflect all homicides and are not restricted to murder which is the unlawful killing of a human being, with malice.

MODE OF DEATH BY MONTH

	1971						1972						
	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	Total
Natural Deaths	101	102	107	133	126	113	140	124	133	132	139	134	1514
Accidents:													
Motor vehicle	12	11	11	10	6	10	13	11	7	10	7	5	113
At home	11	25	15	12	14	23	20	16	14	12	24	18	204
Away from home	15	12	10	9	10	23	11	4	9	9	14	9	135
Industrial	1	1	1	2	0	2	1	2	0	2	1	0	13
Suicides	22	21	27	31	27	22	23	23	24	20	31	25	296
Homicides	10	11	13	6	16	6	10	6	7	11	4	10	110
Cause unknown	3	1	3	0	1	2	1	0	0	2	0	0	13
Mode Equivocal	4	7	5	4	3	1	3	3	3	3	3	4	43

COMPARISON BY YEARS

1964-65 '65-66 '66-67 '67-68 '68-69 '69-70 '70-71 '71-72

Accidents								
Motor vehicle	104	114	99	102	129	112	105	113
Non-vehicular	249	245	244	256	286	365	370	352
Suicides	199	233	234	237	246	281	263	296
Homicides	55	59	79	83	141	129	107	110

MONTHLY FIGURES

PATHOLOGY*

YEAR	TOTAL CORONER'S CASES	CASES REFERRED TO PATHOLOGIST	NO. OF ORGANS SUBMITTED	NO. OF SECTIONS TAKEN	HISTO- PATHOLOGIC SLIDES MADE	SPECIAL STAINS**	BLOOD GROUPINGS***	OTHER DETERMI TIONS***
1971								
JULY	172	90	162	450	174	33	13	12
AUG	190	99	161	450	165	36	6	12
SEPT	189	103	164	444	191	49	12	13
OCT	208	100	157	491	201	48	8	24
NOV	202	107	206	600	247	70	15	3
DEC	234	126	203	615	256	49	6	8
1972								
JAN	229	112	210	592	250	72	12	7
FEB	189	86	162	484	188	58	2	20
MAR	197	98	172	572	196	49	11	9
APR	200	94	148	590	192	34	6	7
MAY	222	117	230	803	257	60	5	12
JUNE	209	101	164	571	205	54	9	12
TOTALS	2441	1233	2139	5662	2522	612	106	139

*These figures do not reflect photography, forensic radiology or material prepared for teaching forensic pathology

**Includes smears examined for bacteria and spermatozoa

***ABO and ANTI-Rh

****Blood, urine, water, evidence for hematology, biochemistry, urinalysis, bacteriology, serology, "Sickledex", etc.

MONTHLY FIGURES

TOXICOLOGY

YEAR	CASES REFERRED TO TOXICOLOGIST	NO. OF SPECIMENS ANALYZED	NO. OF SEPARATE TESTS PERFORMED	"GENERAL"* TOXICOLOGIC EXAMINATIONS	ALCOHOL TESTED POS.	NEG.	BARBITURATE TESTED POS.	NEG		
1971										
JULY	172	224	795	5	171	45	126	172	13	159
AUG	190	245	880	5	189	31	158	190	17	173
SEPT	189	242	1060	8	187	49	138	189	15	174
OCT	208	260	951	6	208	48	160	208	17	191
NOV	201	262	1251	9	200	59	141	201	12	169
DEC	234	298	1218	4	230	58	172	234	15	219
1972										
JAN	229	290	964	9	227	58	169	229	12	217
FEB	189	223	888	2	189	49	140	189	8	181
MAR	197	240	965	7	195	44	151	197	13	184
APR	200	250	1036	8	200	56	144	200	18	182
MAY	222	287	1207	7	220	54	166	222	23	199
JUNE	208	208	1020	8	208	52	156	208	25	183
TOTALS	2439	3029	12235	78	2424	603	1821	2439	188	2251

*Tested for all common drugs and poisons.

TOXICOLOGY

Incidence of various drugs or poisons found singly or in combination:

These are not necessarily the cause of death or even a contributing cause. These figures reflect toxic agents present in the body to any degree. Any one case may have more than one drug or poison.

Alkaloid of morphine group	57	Flurazepam	1
Amphetamine	2	Imipramine	1
Barbiturate		Librium	2
Amobarbital	31	Meprobamate	9
Butabarbital	3	Metamphetamine	2
Mephobarbital	1	Methadone	2
Pentobarbital	61	Methanol	1
Phenobarbital	23	Methapyrilene	2
Secobarbital	67	Methaqualone	6
Carbon Monoxide	2	Nicotine	1
Chloral hydrate	5	Paraldehyde	2
Codiene	19	Pentothal	1
Cyanide	3	Phencyclidine	1
Dalmane	2	Phenothiazine	4
Darvon	25	Placidyl	3
Demerol	2	Quinidine	1
Desimipramine	1	Salicylate	10
Dilantin	2	Taractan	1
Doriden	4	Teldrin	1
Elavil	6	Thorazine	2
		Trichloroethane	1
		Valium	13

UNIT COST

TOTAL BUDGET: \$445,422

ADMINISTRATION

1 Coroner		
Unit Cost (3896 cases)	\$29,348	<u>\$7.53 per case</u>

INVESTIGATION

Including removal, transportation and care of bodies

1 Asst. Coroner, Adm.	\$15,432	
10 Coroner's investigators	122,593	
Overtime	2,500	
Holidays	6,044	
Vacation and sick relief	6,867	
Maintenance of autos	1,200	
Telephone directory service	135	
Tires and tubes	188	
Gasoline	895	
Laundry	640	
Cleaning equipment supplies	193	
Sheets	653	
TOTAL	\$157,340	<u>\$40.39 per case</u>

(for 3896 cases investigated)

CLERICAL

1 Estate investigator	\$9,982	
1 Medical clerk stenographer	9,604	
1 Senior clerk typist	8,904	
3 Med. transc. typists	22,460	
Holidays	1,924	
Vacation and sick relief	1,238	
Maint. and repair, office equipment	251	
Postage	440	
Stationary and stationary withdrawals	1,886	
TOTAL	\$56,689	<u>\$14.55 per case</u>

SCIENTIFIC - AUTOPSY (2441 cases autopsied)*

3 Physician specialists, part-time	\$60,834	
3½ Morgue attendants	22,412	
Vacation and sick relief	5,163	
Holidays	607	
TOTAL	\$99,016	<u>\$40.53 per autopsy</u>

*Includes all appearances in court and grand jury and consultations with district attorneys and homicide inspectors before court appearances.

SCIENTIFIC - TOXICOLOGY (2439 cases referred)*

1 Toxicologist (part time)	\$18,844	
1 Assistant toxicologist	15,799	
Vacation relief	1,239	
Maintenance of lab. equipment	112	
Toxicology supplies	1,299	
	<u> </u>	
TOTAL	\$37,293	<u>\$15.26 per case</u>

*For 12,235 individual tests for alcohol barbiturates, narcotics etc., includes all appearances in court and grand jury and consultation with district attorneys and homicide inspectors before court appearances.

SCIENTIFIC - PATHOLOGY (1233 cases referred)*

1 Pathologist (part time)	\$20,790	
2 Technologists	24,993	
Holidays	625	
Vacation and sick relief	7,284	
Maintenance of lab. equipment	112	
Pathology supplies	2,799	
	<u> </u>	
TOTAL	\$56,603	<u>\$45.90 per case</u>

*For 6662 tests of tissues, body fluids etc. for both microscopic and laboratory study. Includes all appearances in court and grand jury and consultation with district attorneys and homicide inspectors before court appearances.

LEGAL

1 Court reporter (part time)	\$6,327	
	<u> </u>	
TOTAL	\$6,327	<u>\$140.60 per inquest</u>

